String Quartet V: Drum Stick Quartet

in

Polytempic Polymicrotonality

Peter Thoegersen

Legend

Please use jazz 7a size drum sticks with wood tip for all *col legno* drum stick sections in this work. It is best to play very close to the bridge, where the string tension is greatest, for the buzz roll effect.

For the *pizzicato* sections, please use the two or three finger suggestions in order to accommodate the quicker rhythms required. Thumb is also suggested for sections requiring two, or more, voices within the part.

For sections implying four-voice polyrhythmic textures, please make the attack at the expense of the duration, or sustain, in order for the illusion of the four voices implied, while maintaining a semblance of some of the sustained notes in question.

Microtones

All microtones in this work will be delineated in this legend and assigned standard common practice accidentals. Since there are 35 usable pitch designations in common practice notation, and since there is no universal standard protocol for microtonal notation, it is most expedient and practical to just use what we have. All pitch designations will be in cents.

Violin I		Violin II		Viola	
9 Tet	21 Tet	8 Tet	20 Tet	7 Tet	18 Tet
C = 1/1	C = 1/1	C = 1/1	C = 1/1	C = 1/1	C = 1/1
Db = 133	C# = 57	C#(Db) = 150	C# = 60	D = 171	C# = 67
Eb = 266	Db = 114	Eb(D#) = 300	Db = 120	Eb = 343	Db = 133
E = 400	Cx = 171	E#(Fb) = 450	D = 180	F = 514	D = 200
F = 533	D = 228	F#(Gb) = 600	D# = 240	G = 686	D# = 267
G = 666	D# = 286	G = 750	Eb = 300	Ab = 857	Eb = 333
Ab = 800	Eb = 343	A = 900	E = 360	Bb = 1029	E = 400
A = 933	E = 400	Bb = 1050	Fb = 420		E# = 467
B = 1066	E# = 457		E# = 480		F = 533
	F = 514		F = 540		F# = 600
	F# = 571		F# = 600		Gb = 667
	Gb = 628		Gb = 660		G = 733
	Fx = 685		G = 720		G# = 800
	G = 742		G# = 780		Ab = 867
	G# = 800		Ab = 840		A = 933
	Ab = 857		A = 900		A# = 1000
	A = 914		A# = 960		Bb = 1067
	A# = 971		Bb = 1020		B = 1133
	Bb = 1028		B = 1080		
	B = 1085		B# = 1140		
	B# = 1142				

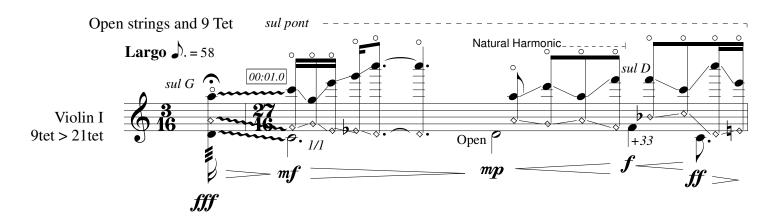
Cello

CCIIO	
5 Tet-10 Tet	17 Tet
C = 1/1	C = 1/1
Db = 120	C# = 70
D#/Eb = 240	Db = 141
E = 360	D = 211
F = 480	D# = 282
F# = 600	Eb = 353
G = 720	E = 423
Ab = 840	F = 494
A#/Bb = 960	F# = 564
B = 1080	Gb = 635
	G = 705
	G# = 776
	Ab = 847
	A = 917
	A# = 988
	Bb = 1058
	B = 1129

String Quartet #5

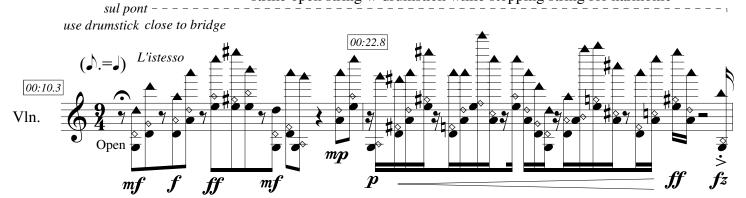
Drumstick Quartet

Peter Thoegersen



 $col\ legno\ batutto\ con\ drumstick$

strike open string w drumstick while stopping string for harmonic



sul tasto -----



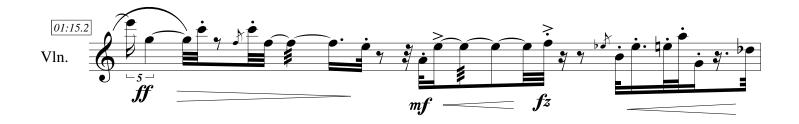


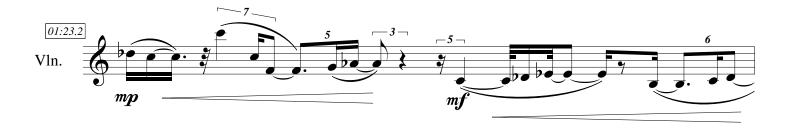


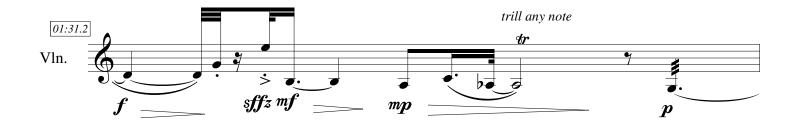


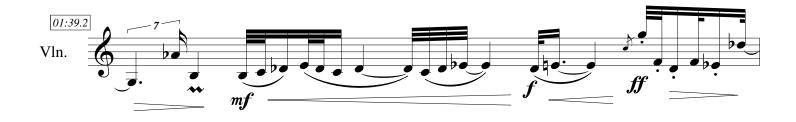
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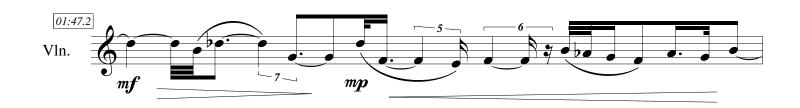








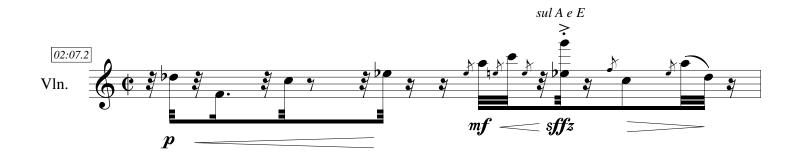




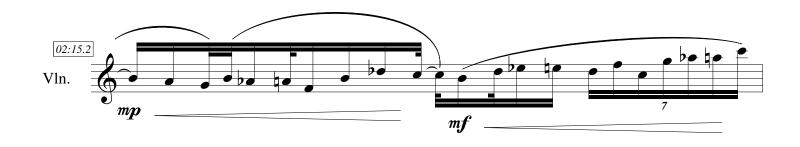


sul pont



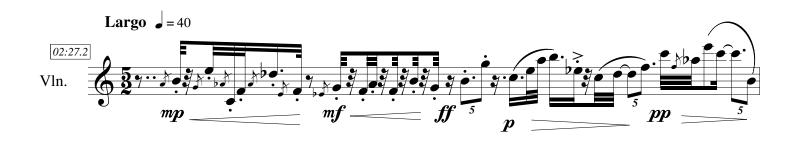


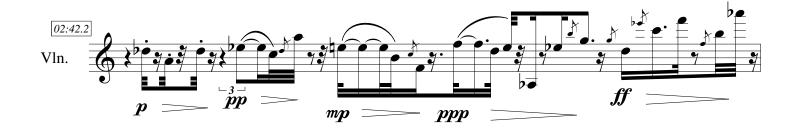


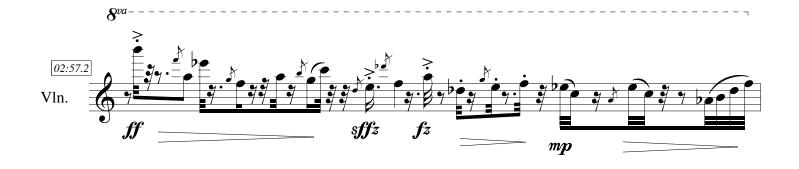




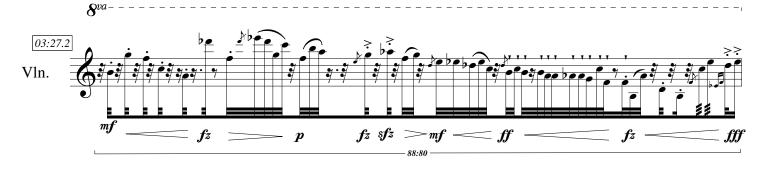


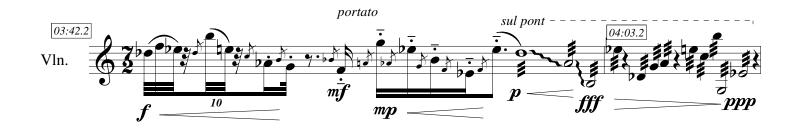


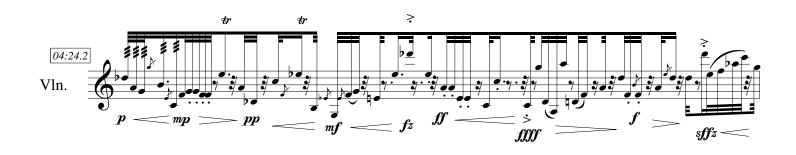


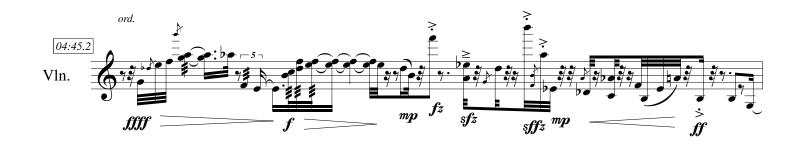


va-



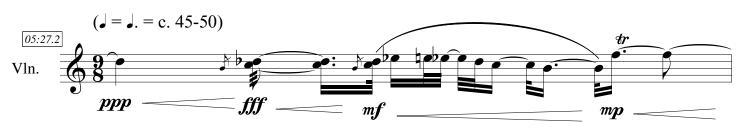


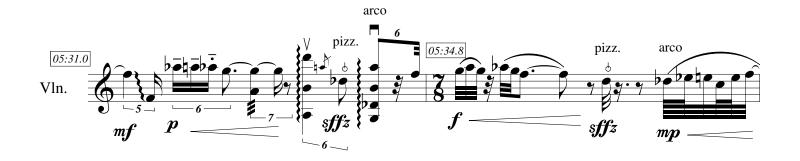


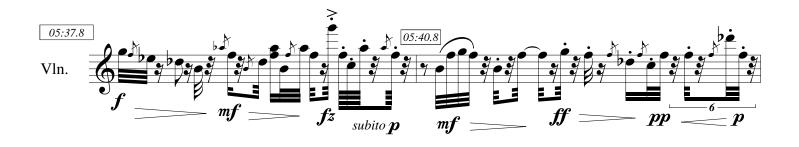




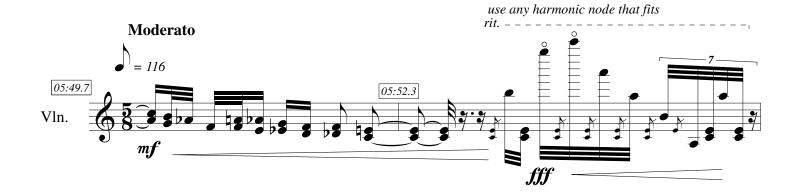


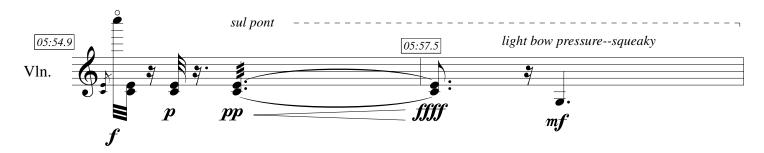




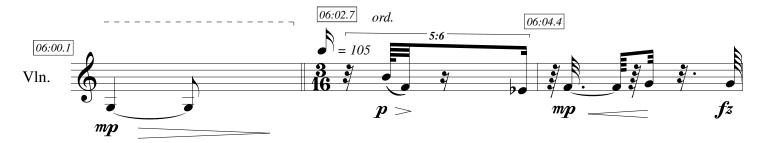




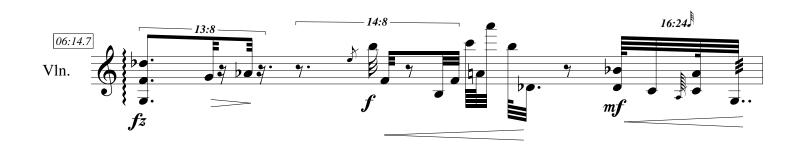




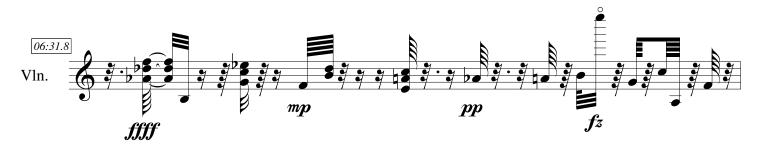
Andante



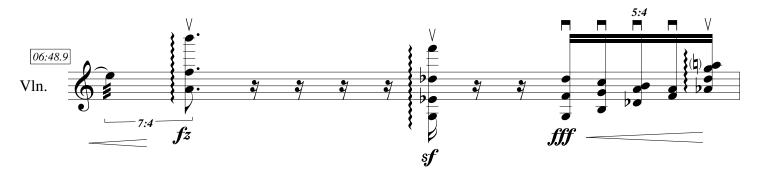




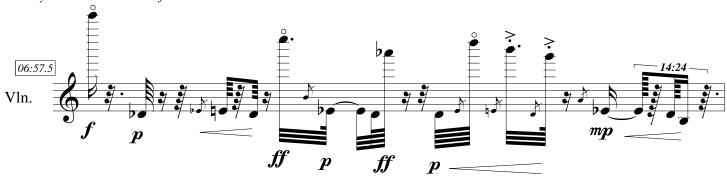








use any harmonic node that fits

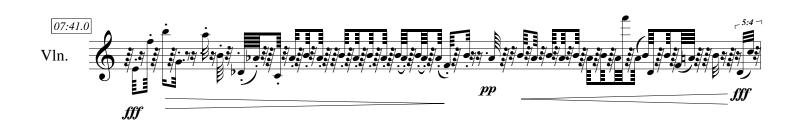


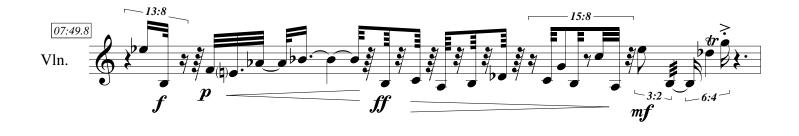




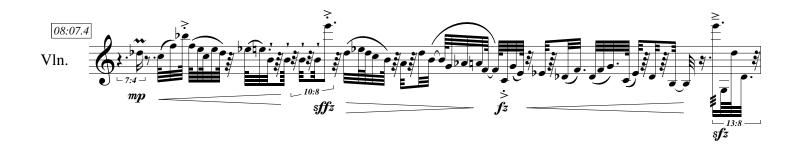


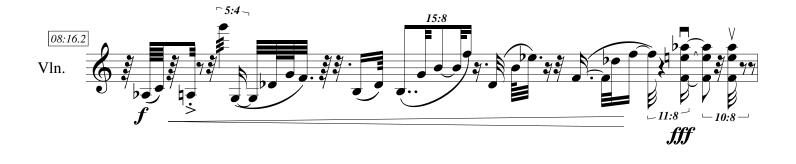


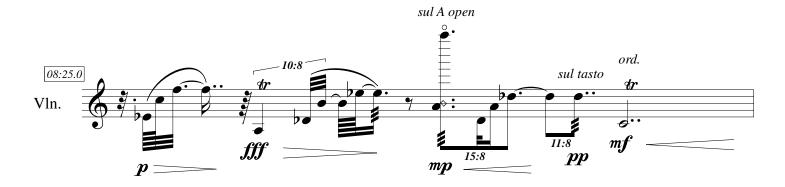




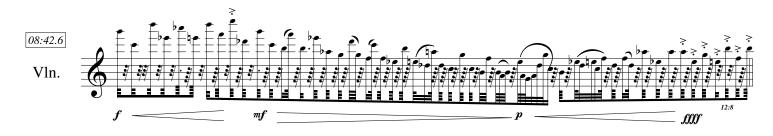






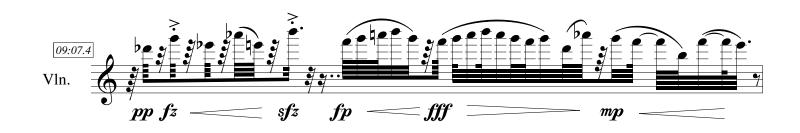


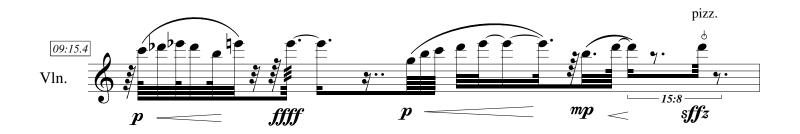


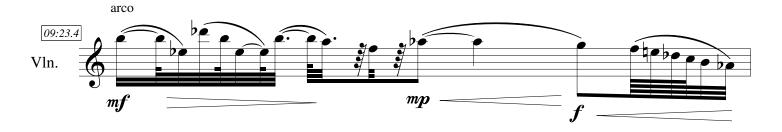


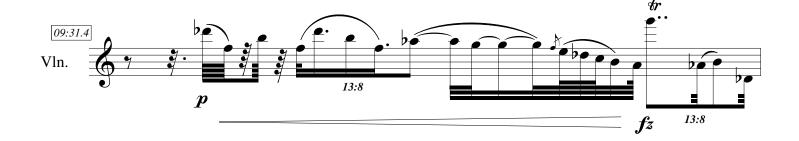


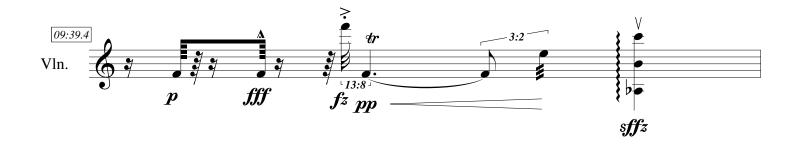




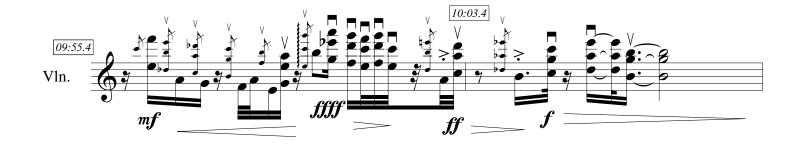


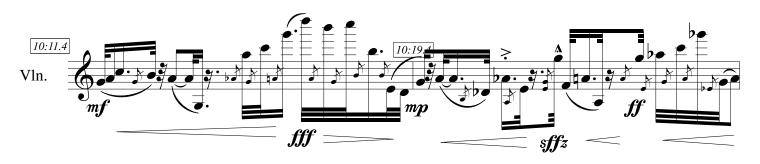


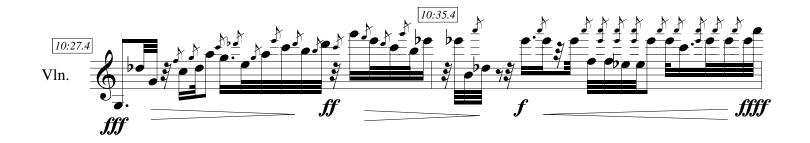






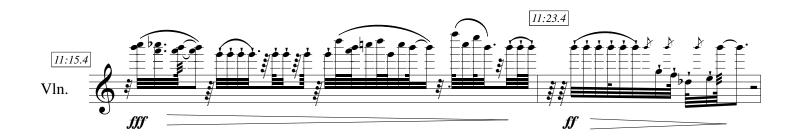


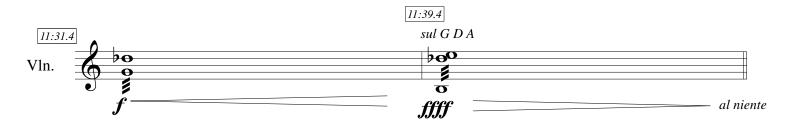






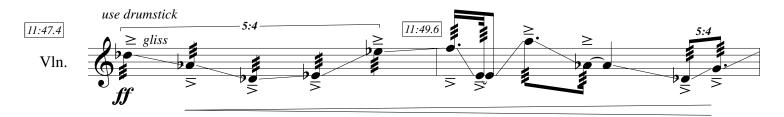


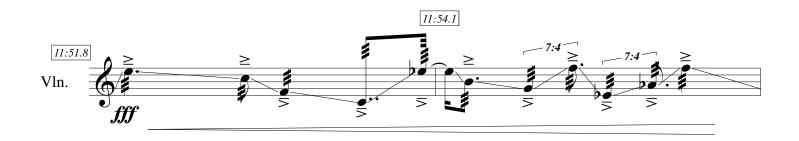


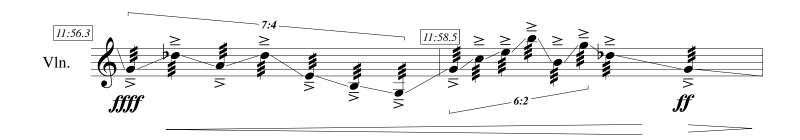


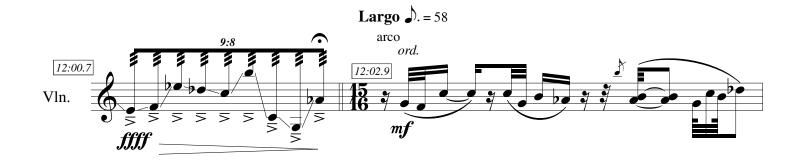
col legno batutto con drumstick

"ricochet" drumstick on string



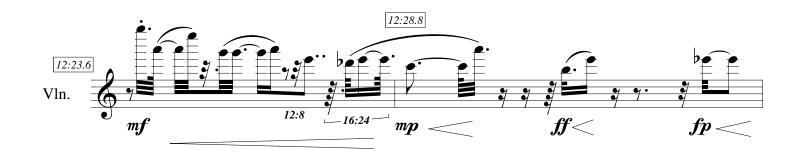


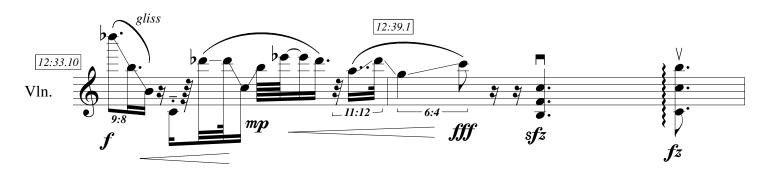


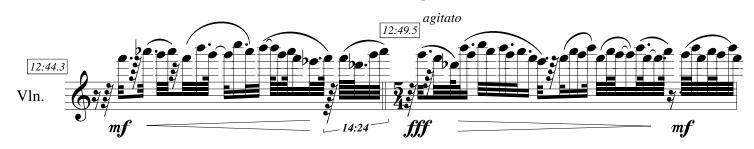


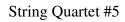


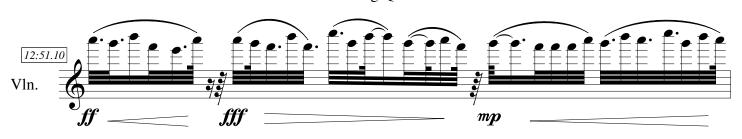




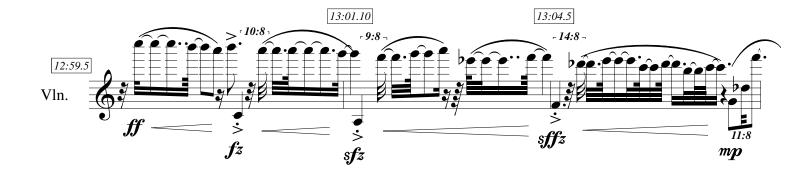


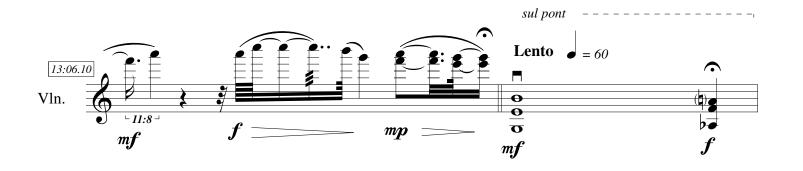




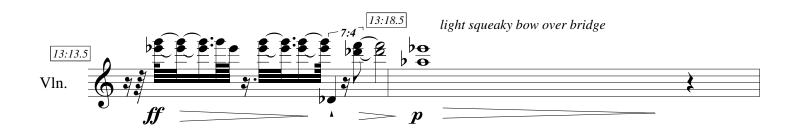




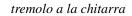




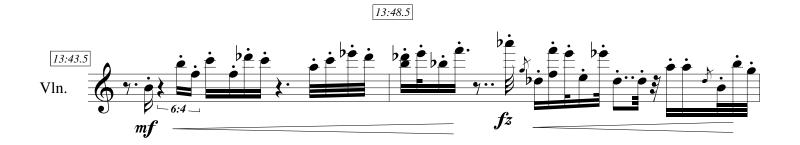
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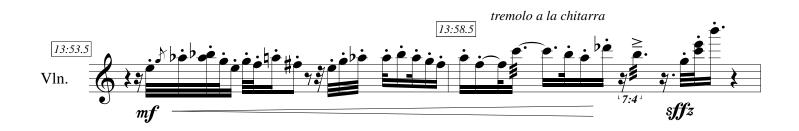


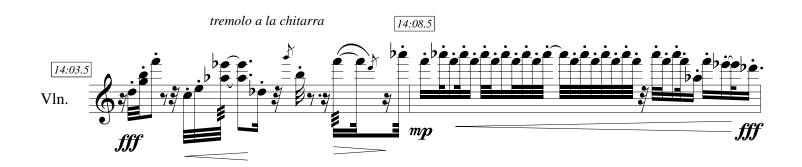


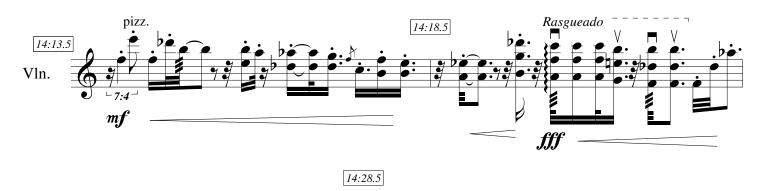


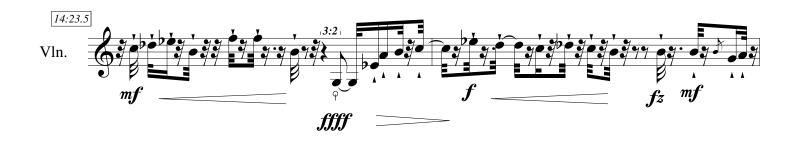


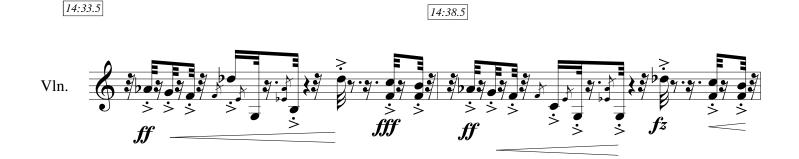






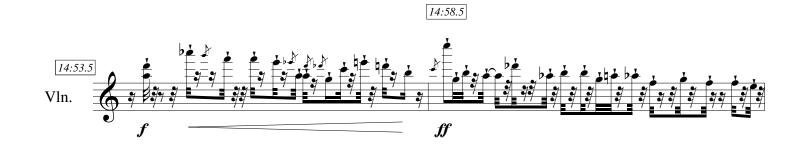


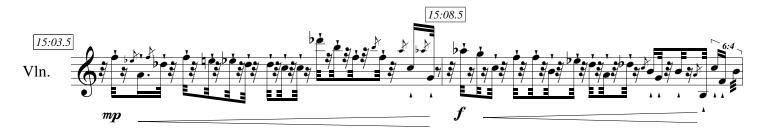


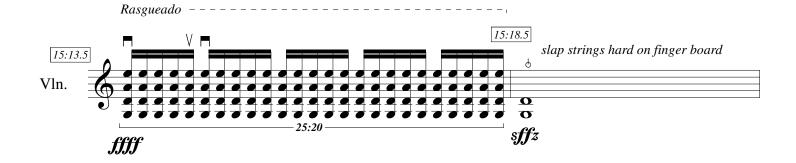


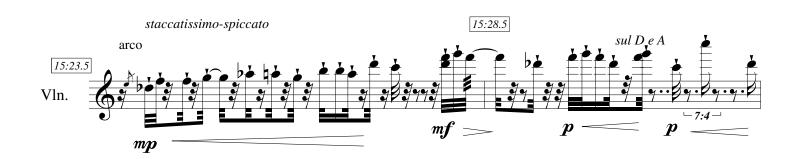
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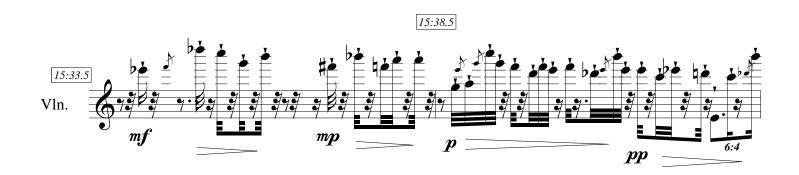


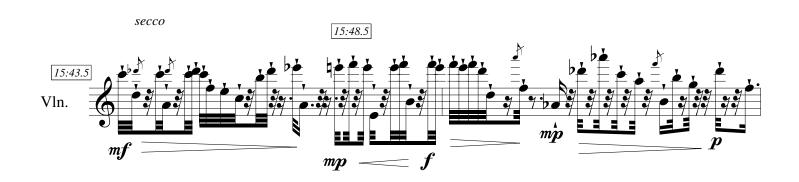




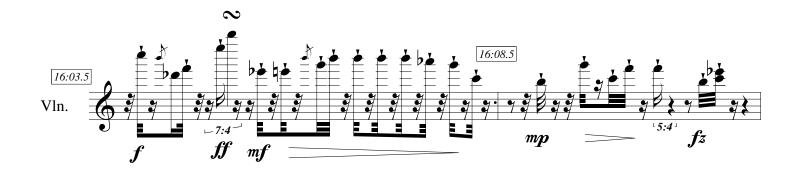


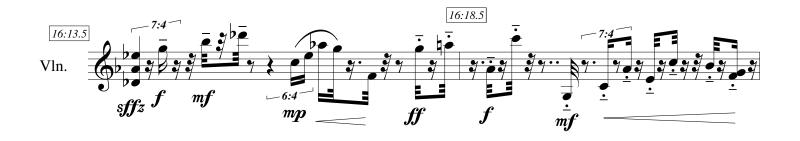


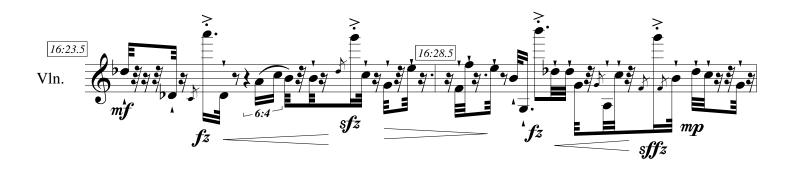


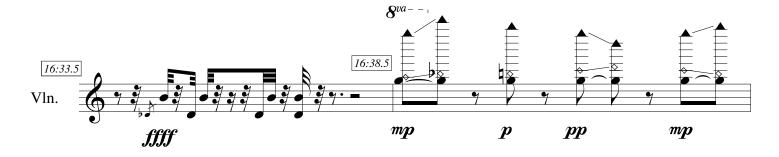




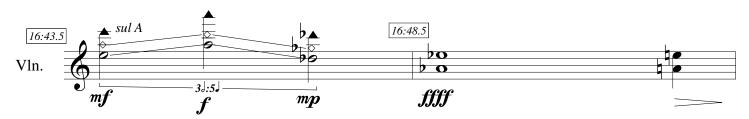




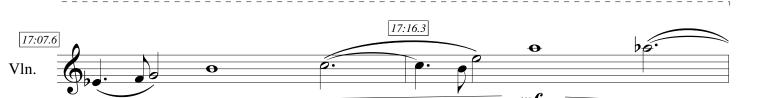


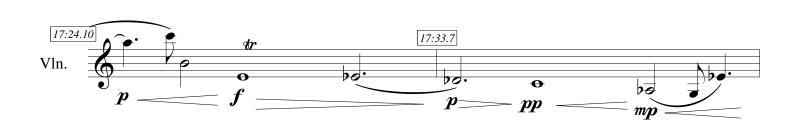


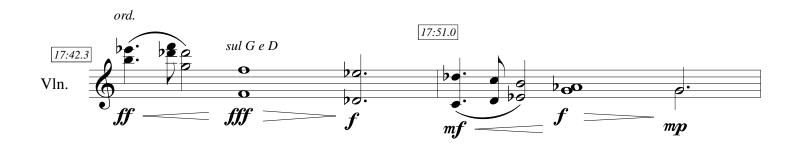




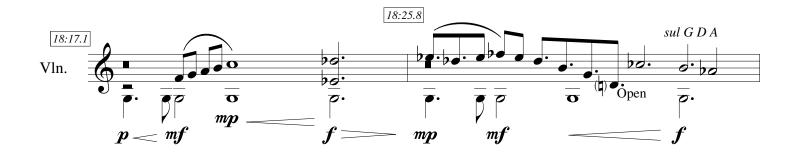


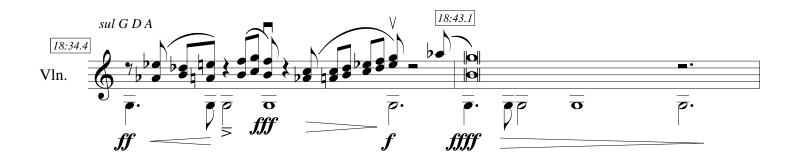


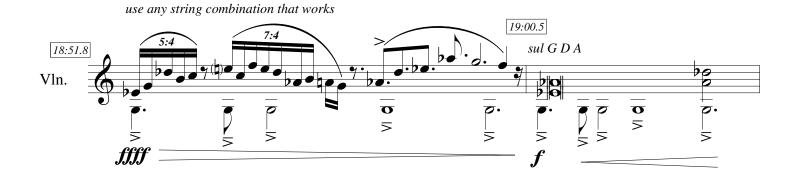


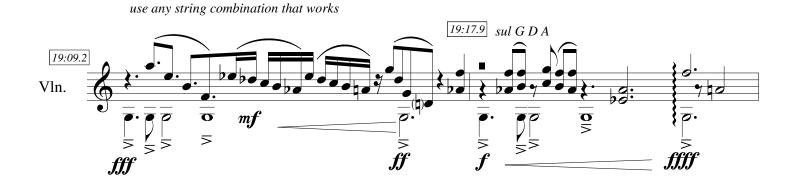


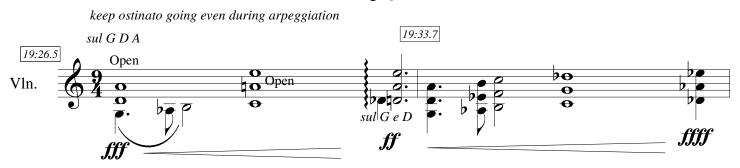


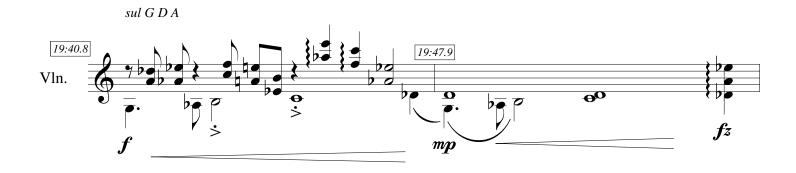


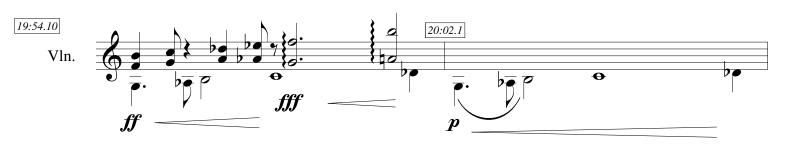


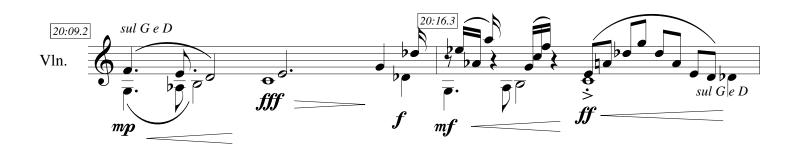


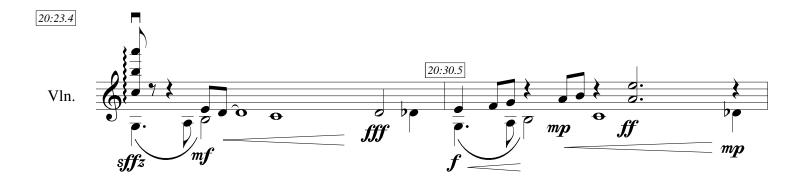




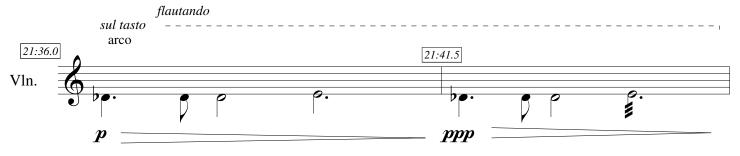










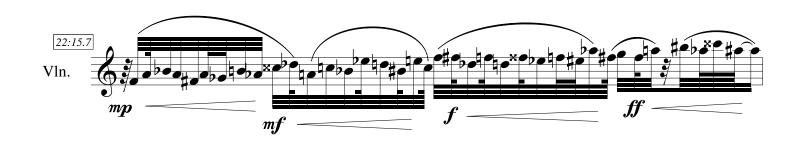








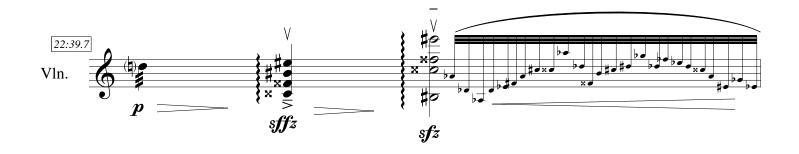




















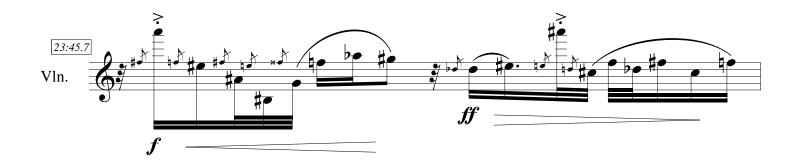












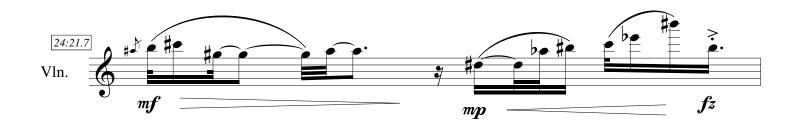


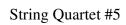


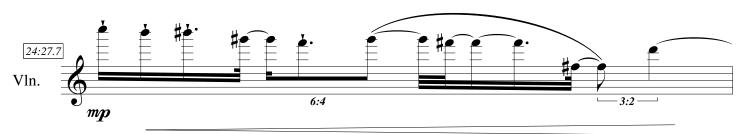










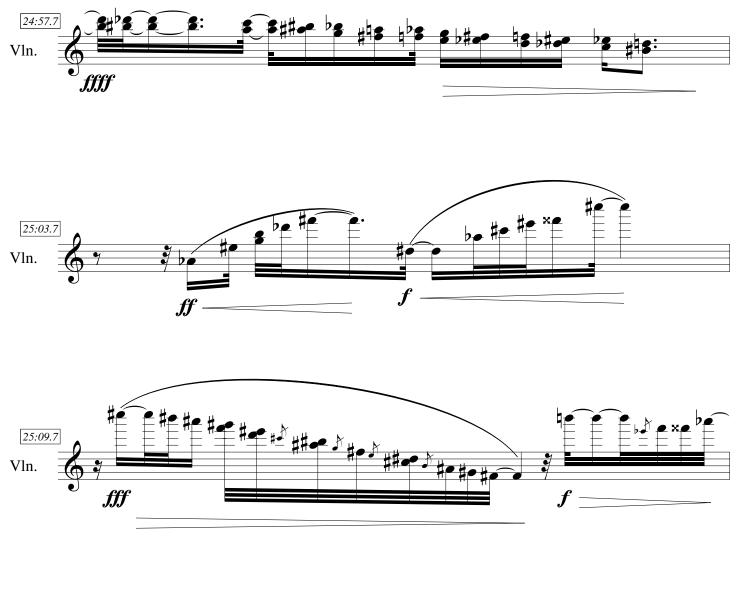










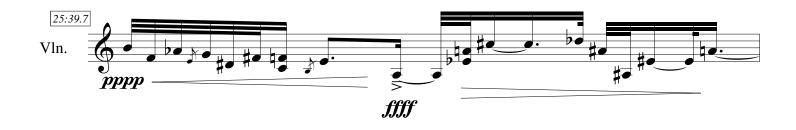












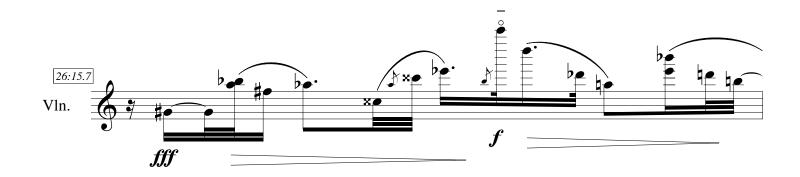














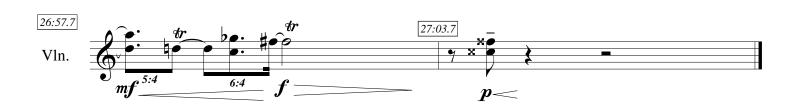












String Quartet 5

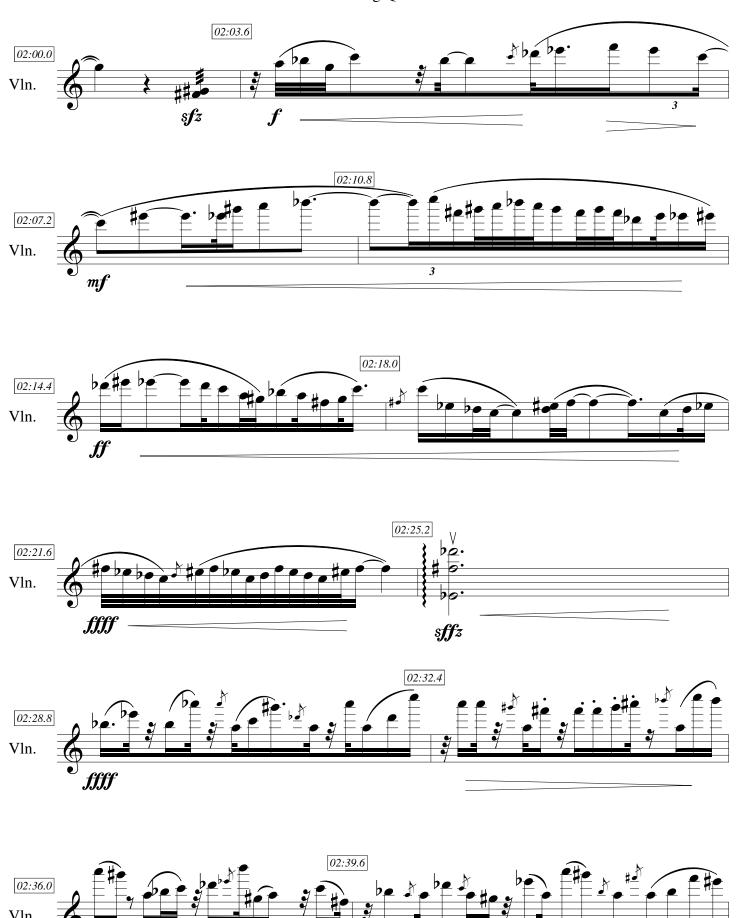


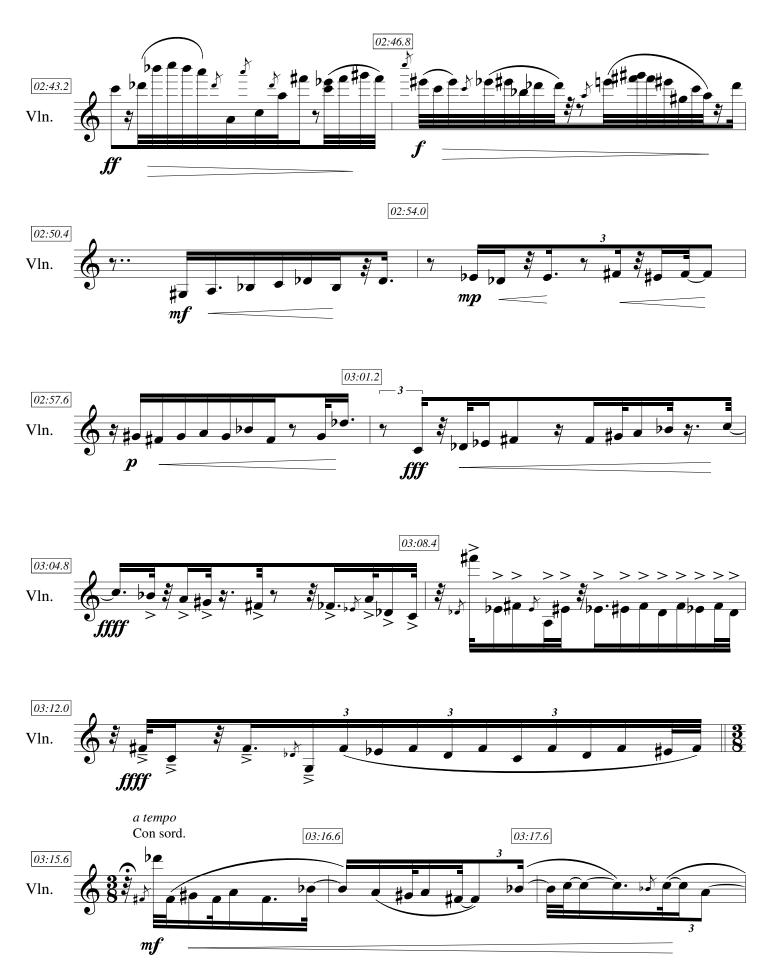


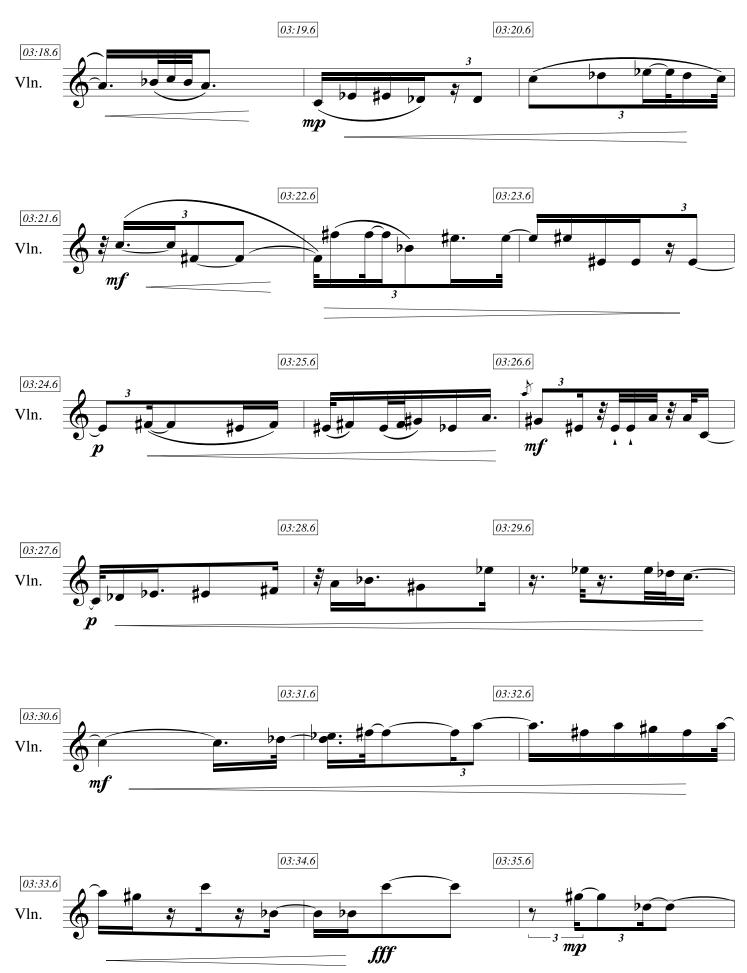


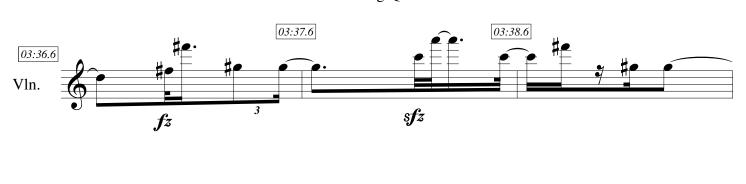


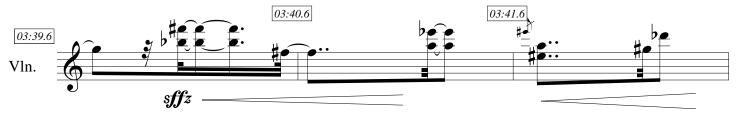




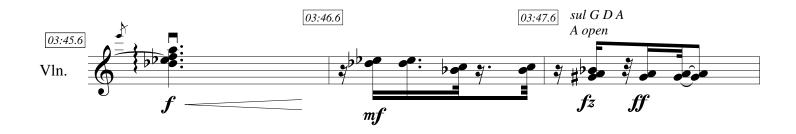




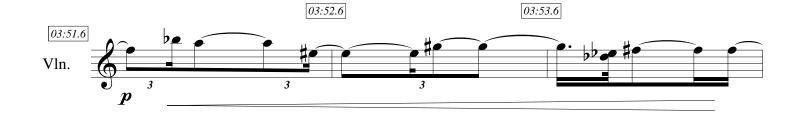


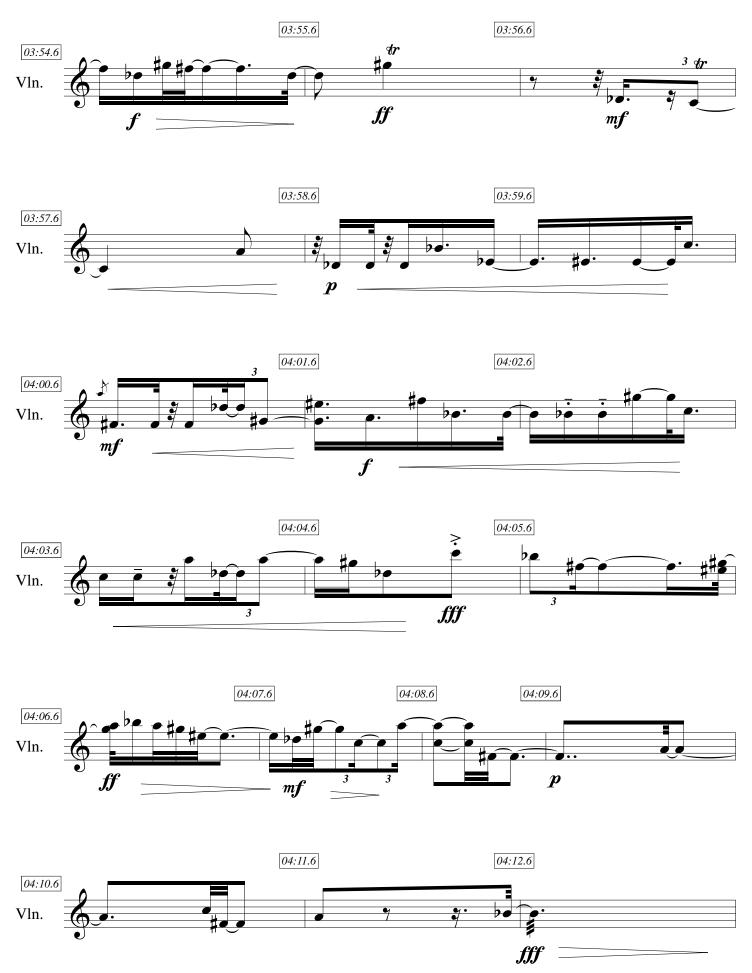


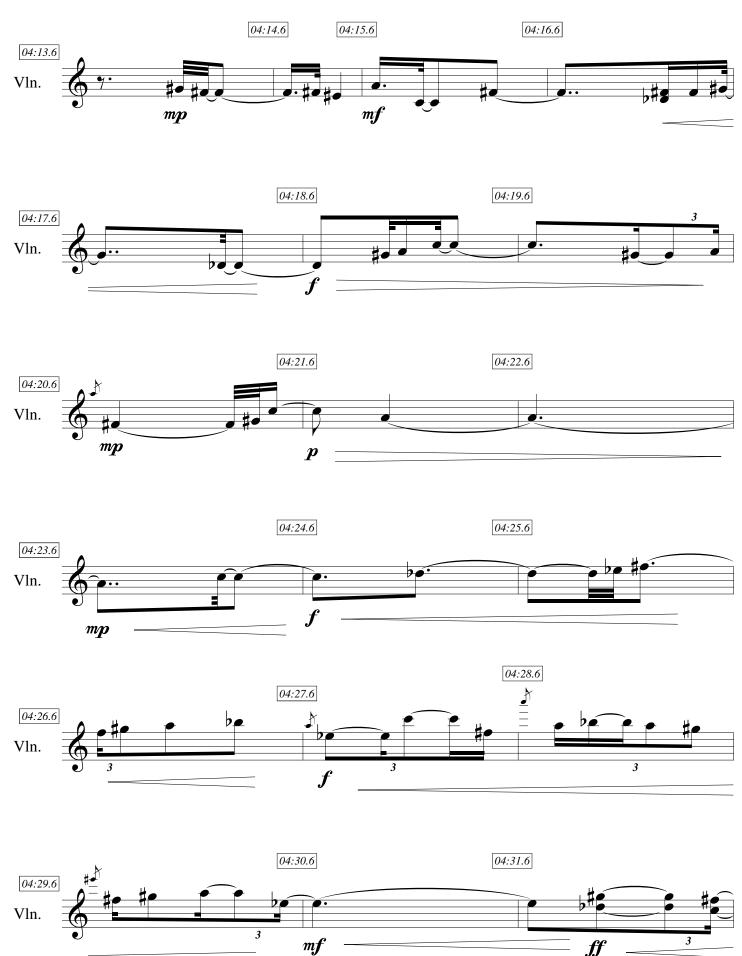


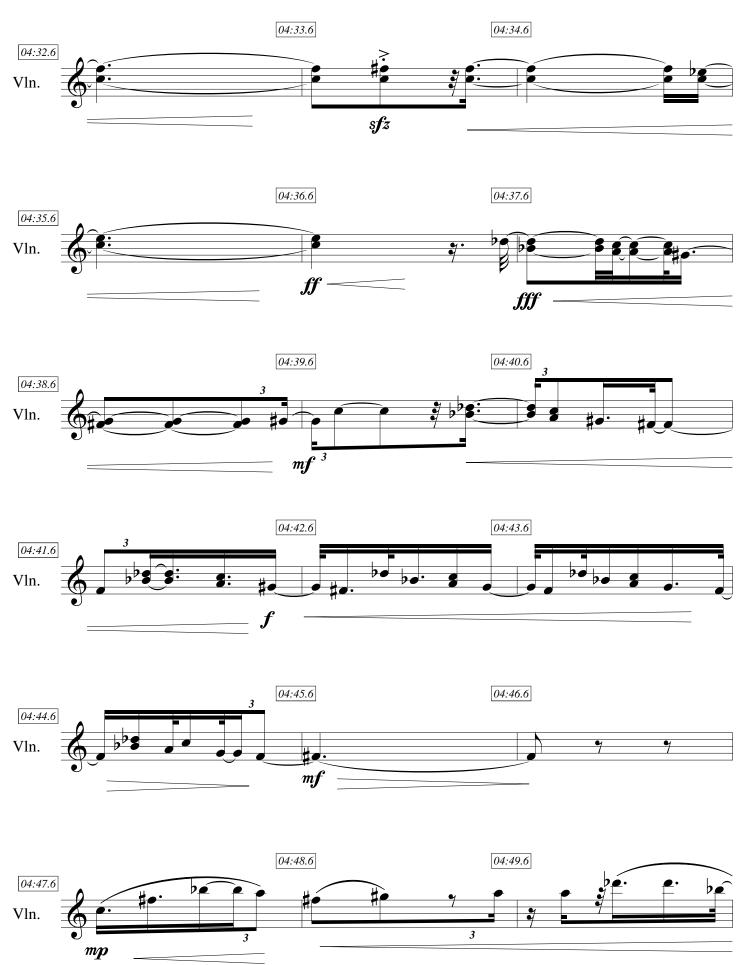


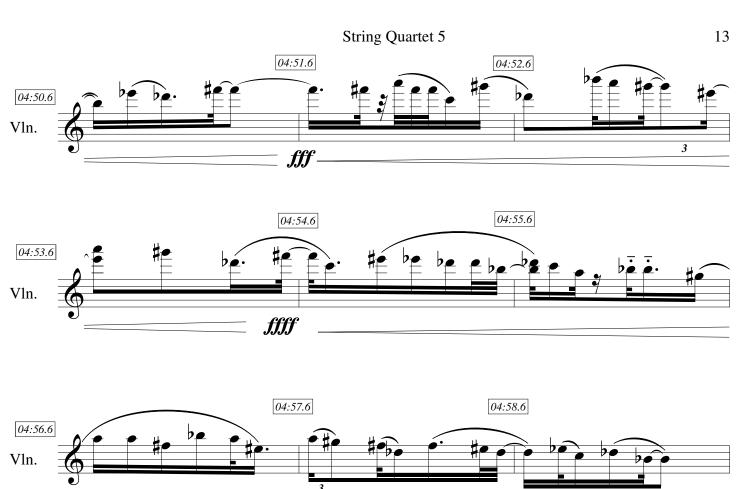


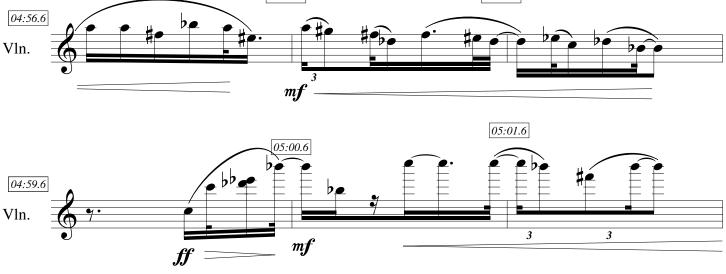


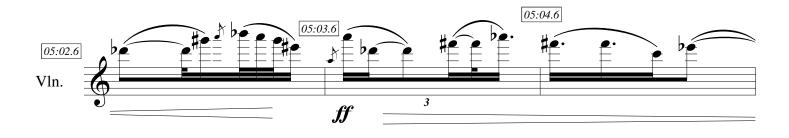


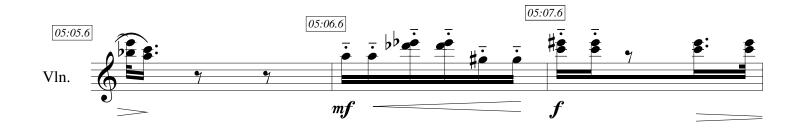


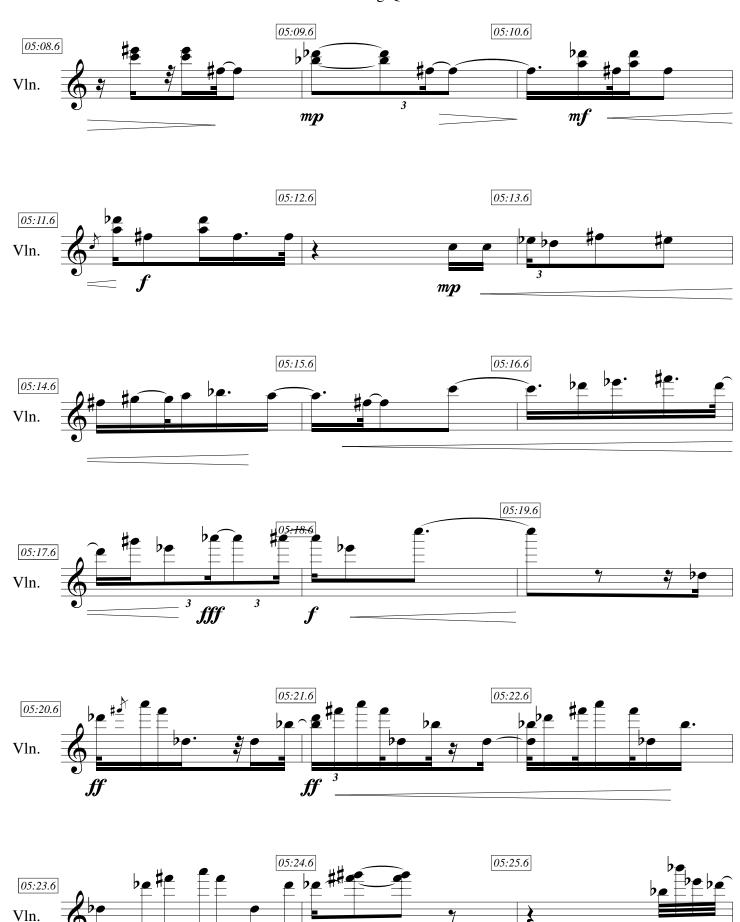


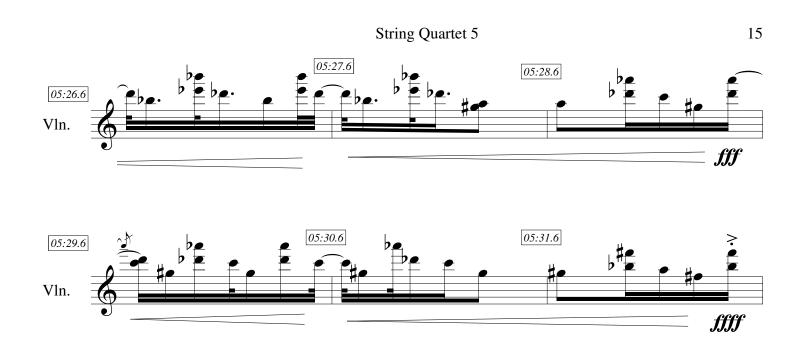






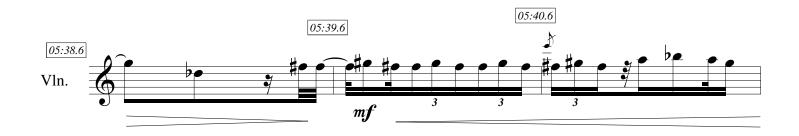


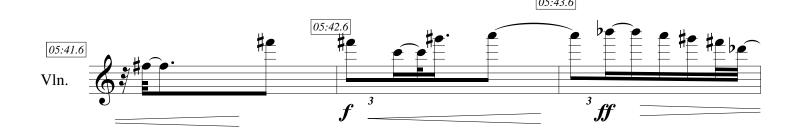






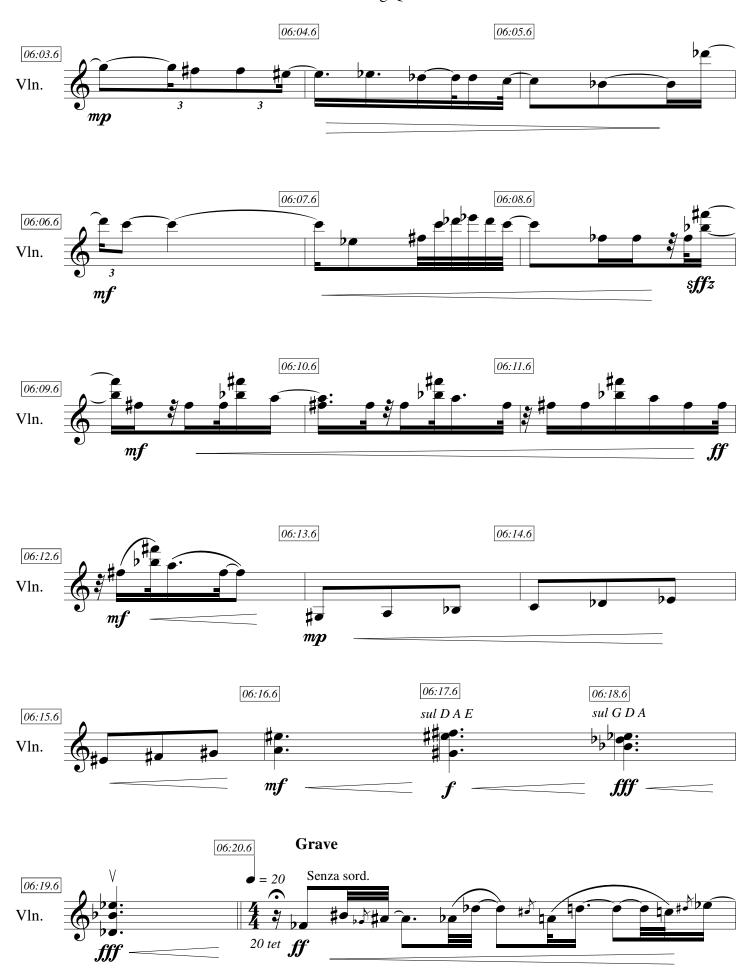




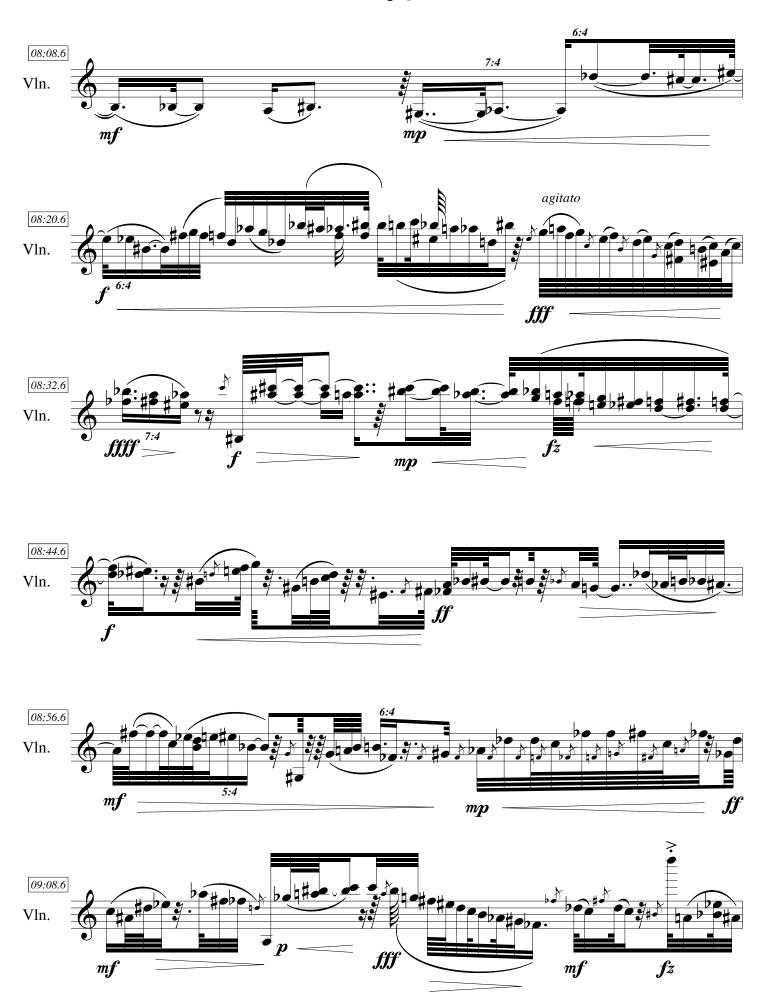


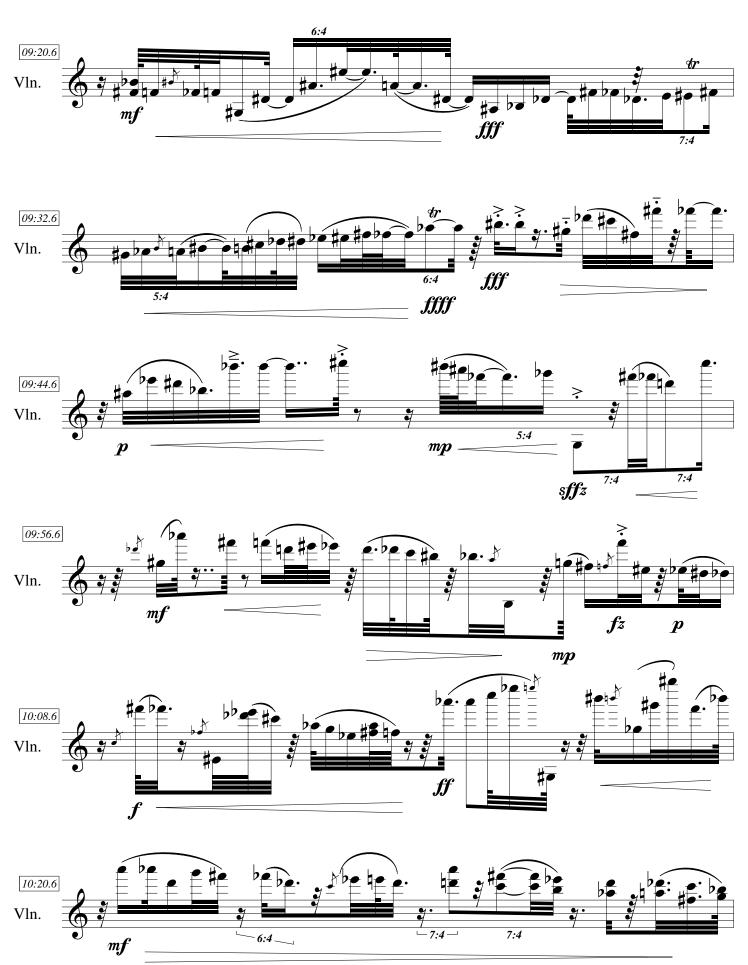


mp





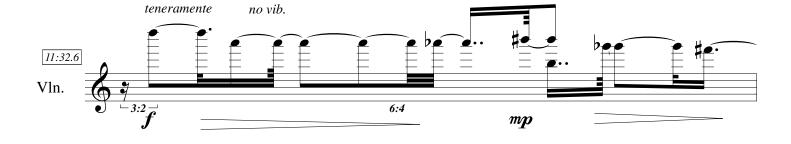


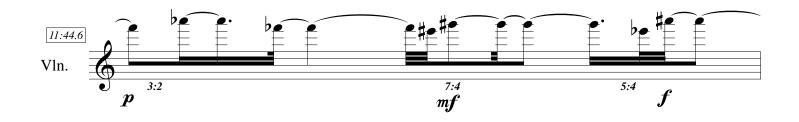


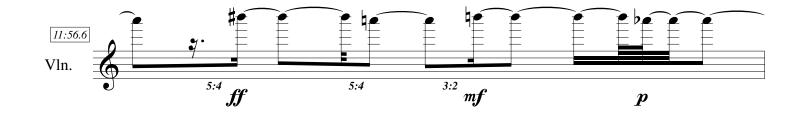


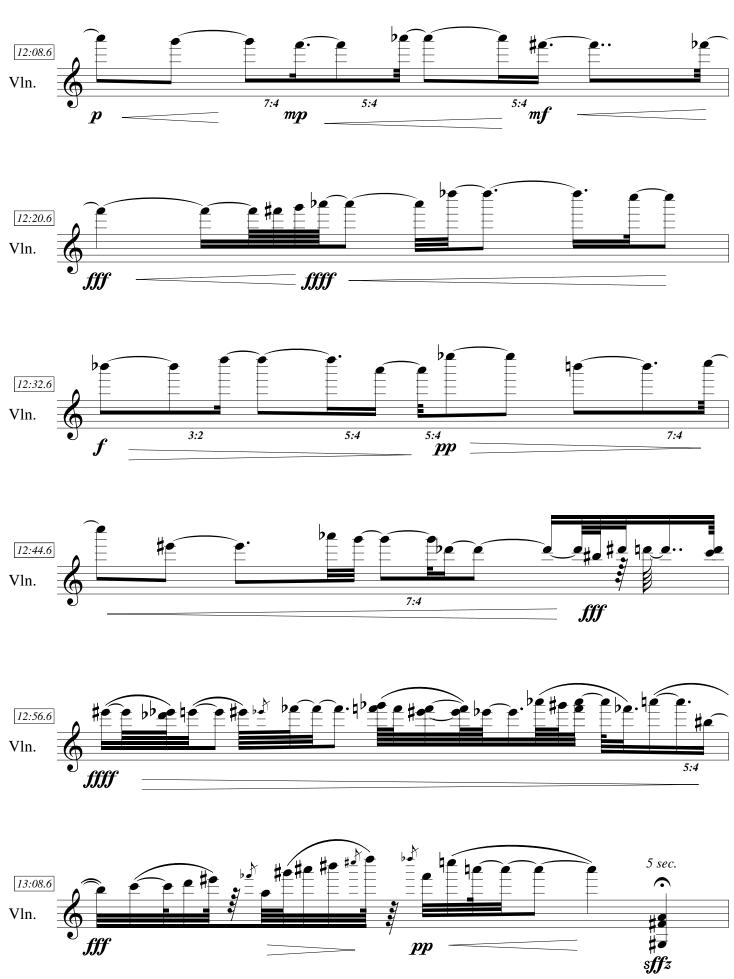


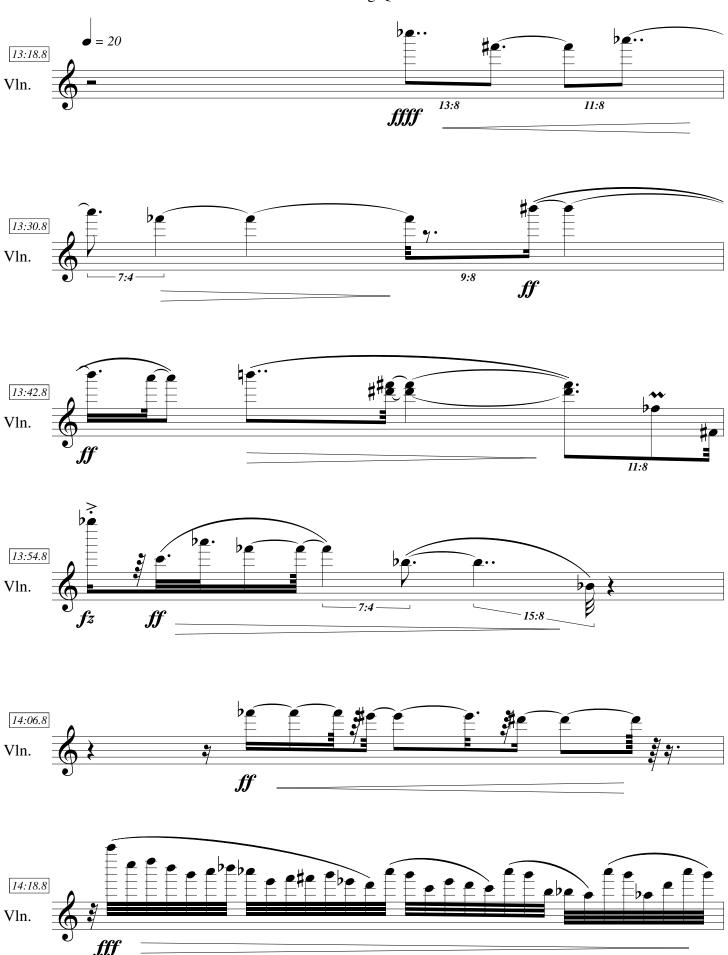


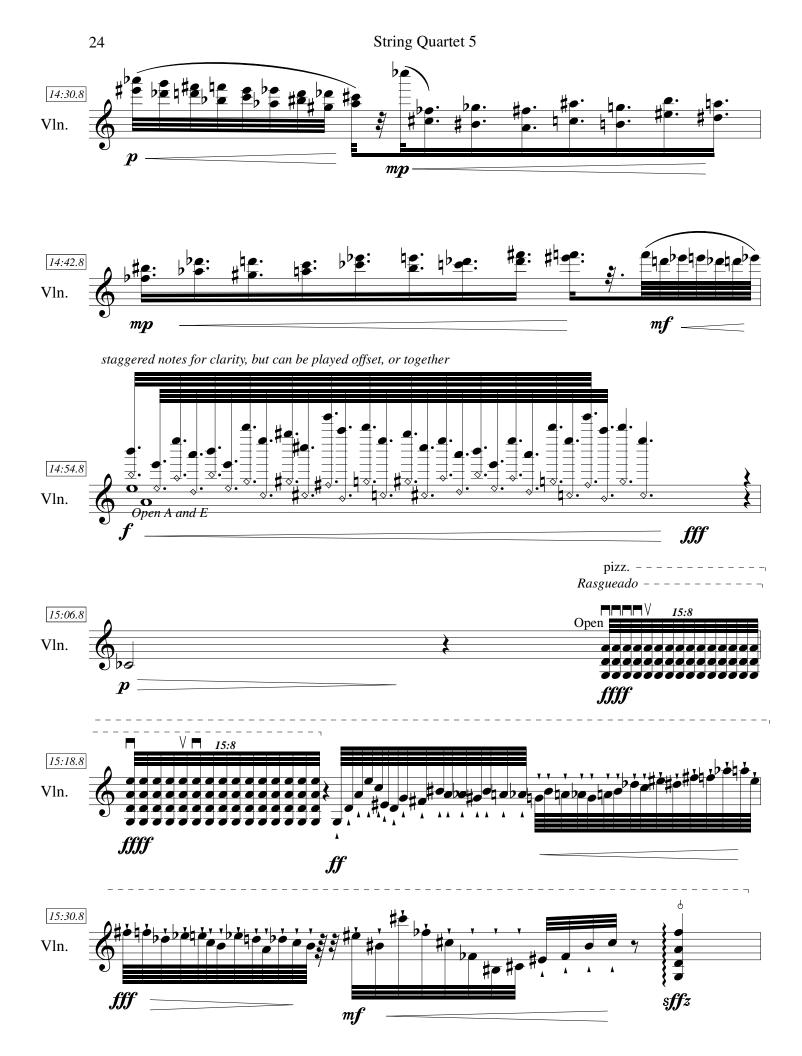




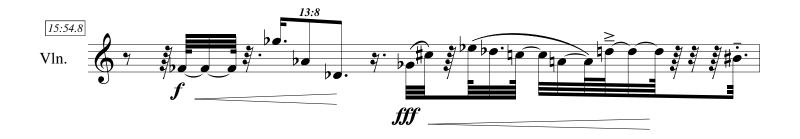


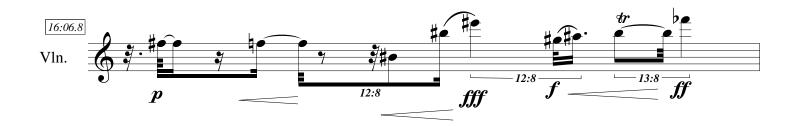










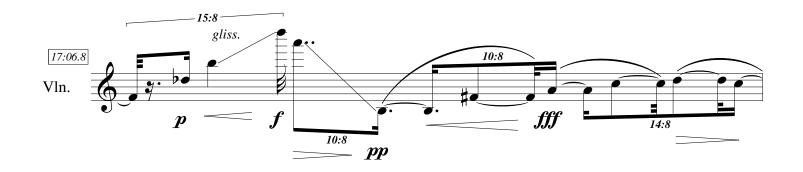


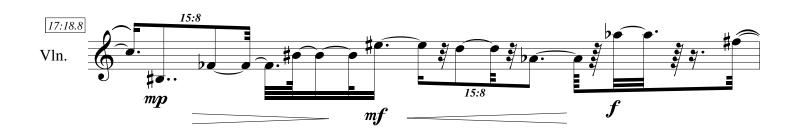




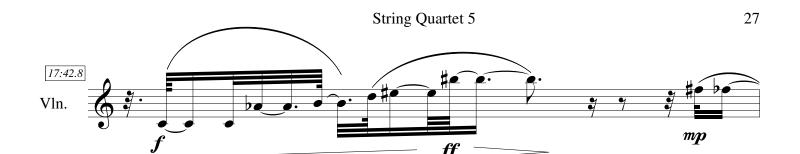


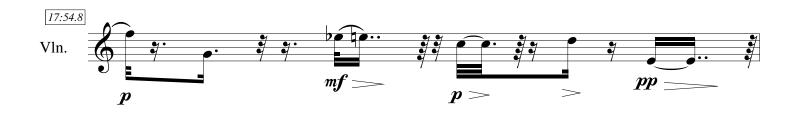




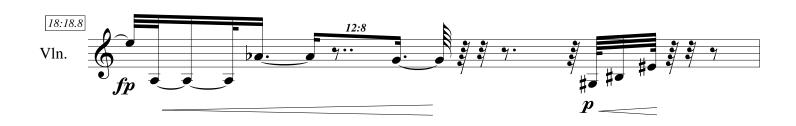




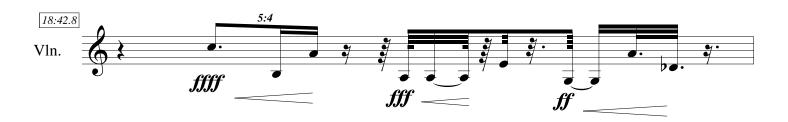


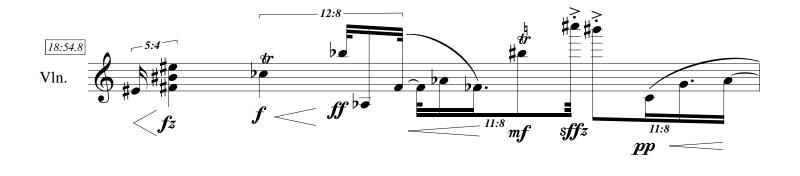




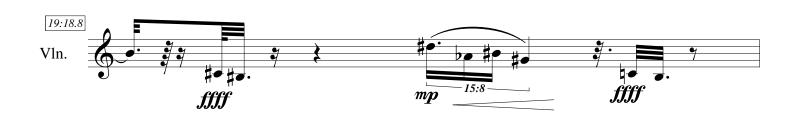


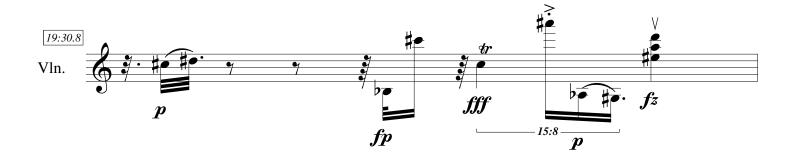














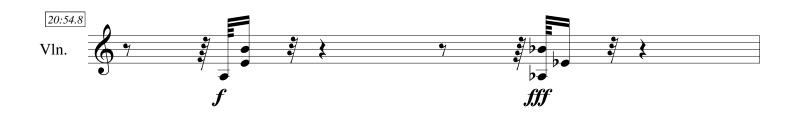






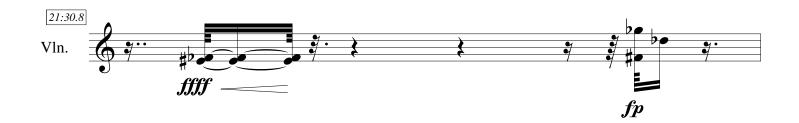


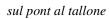




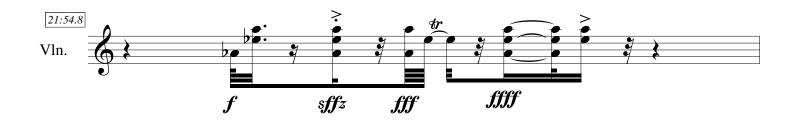


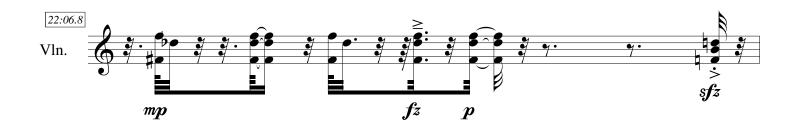












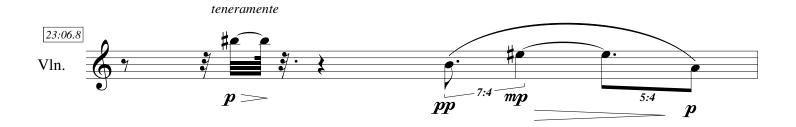




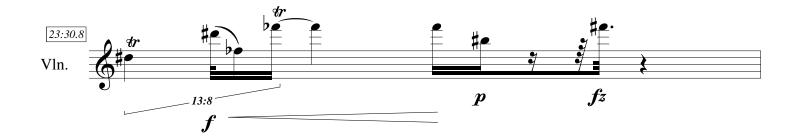
















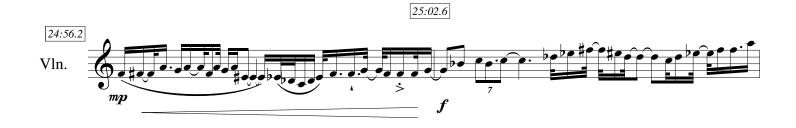




Coda





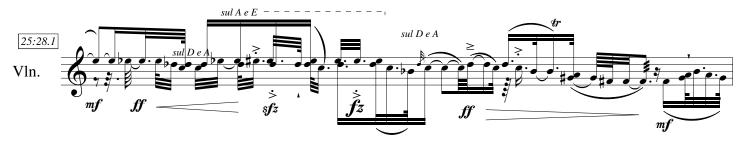


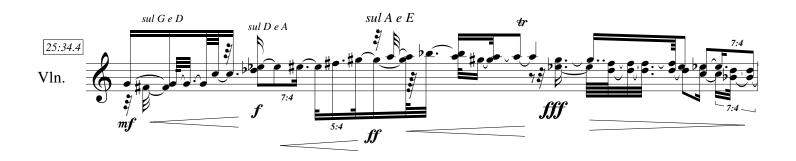




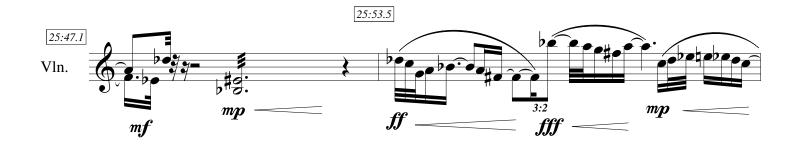


stem direction pertains to voice only--not string





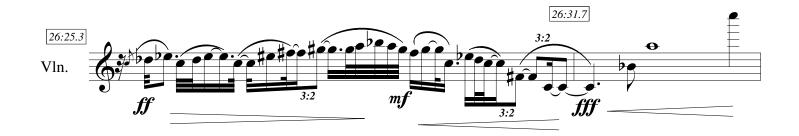


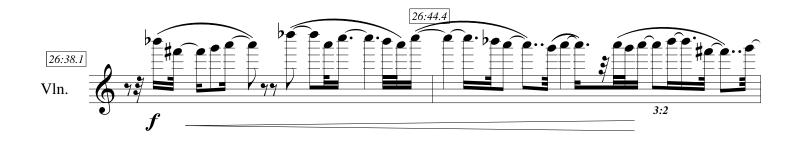


26:06.2

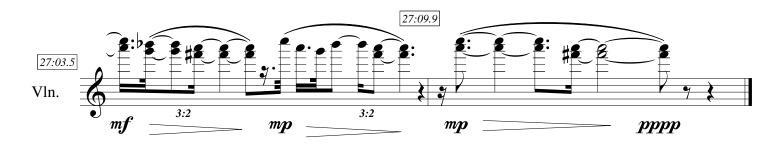












String Quartet V

NO VIBRATO

Drum Stick

Peter Thoegersen



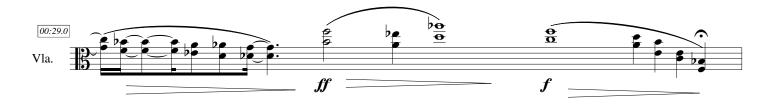














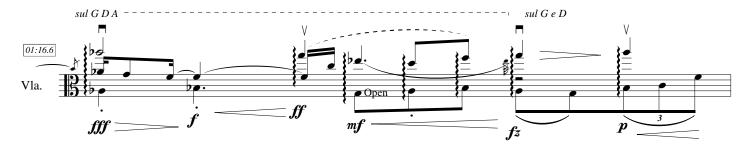


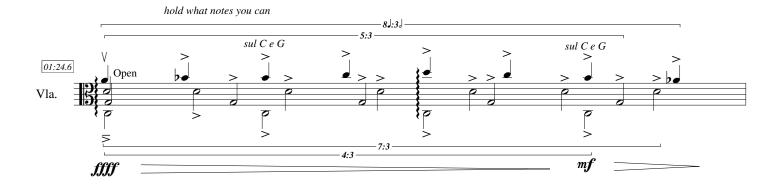


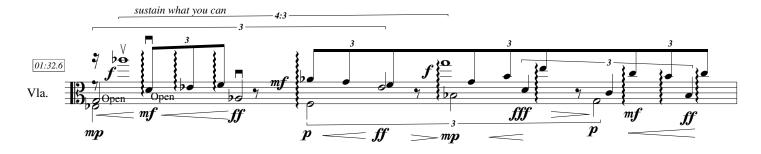


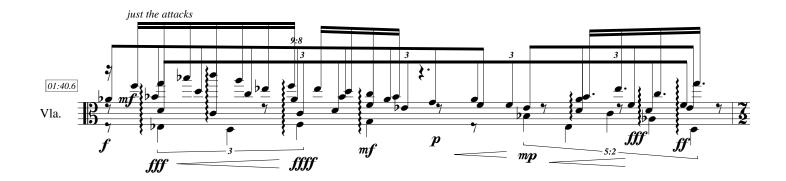


in these complex textures, please hit the attack, but hold what sustains you can

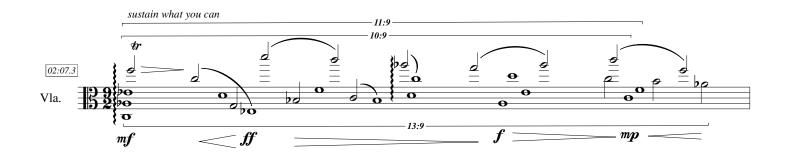




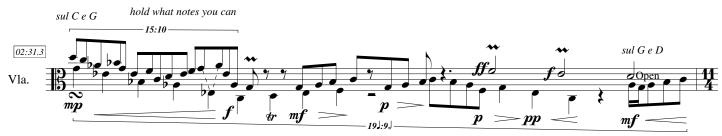








stagger bottom note between pentuplet on top









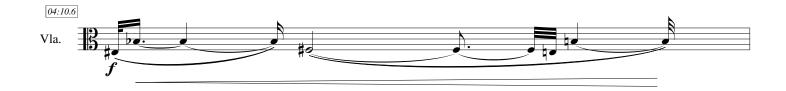






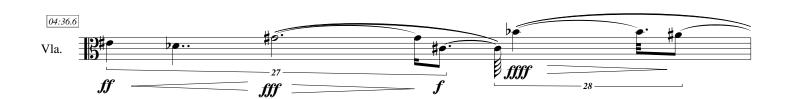








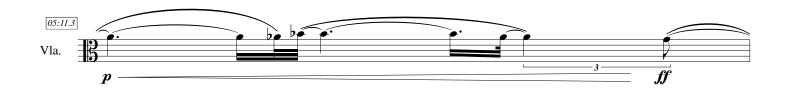




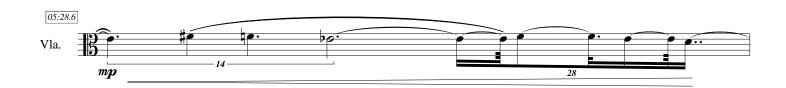






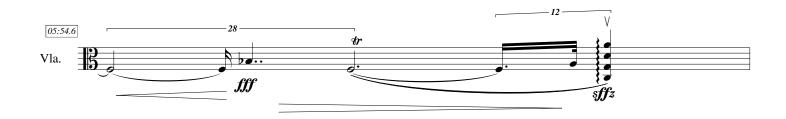






























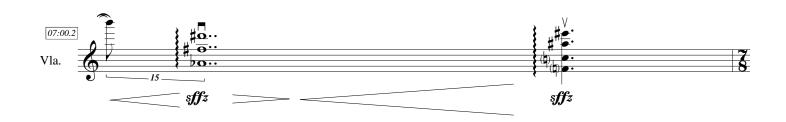




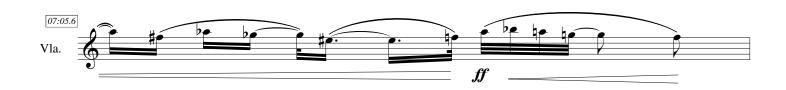




















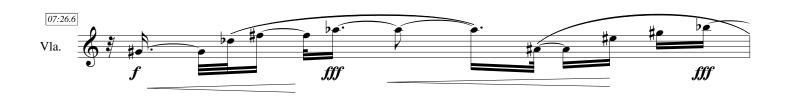






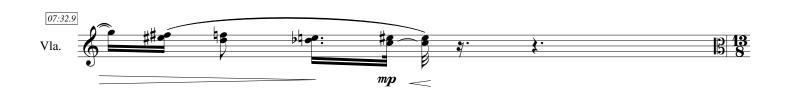








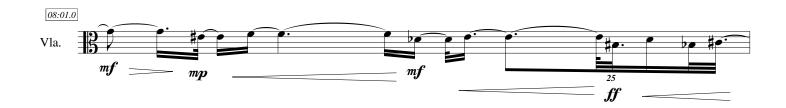












molto dramatico



















































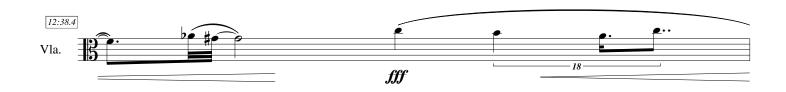


























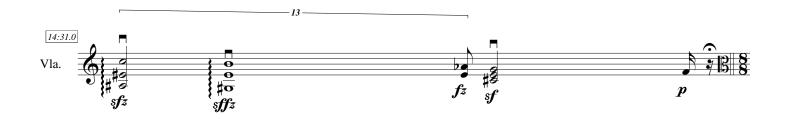


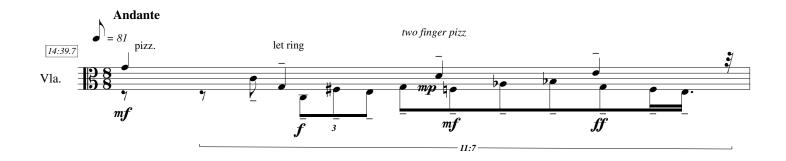




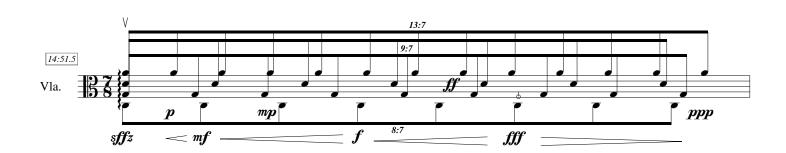




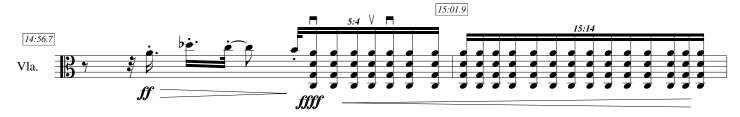
















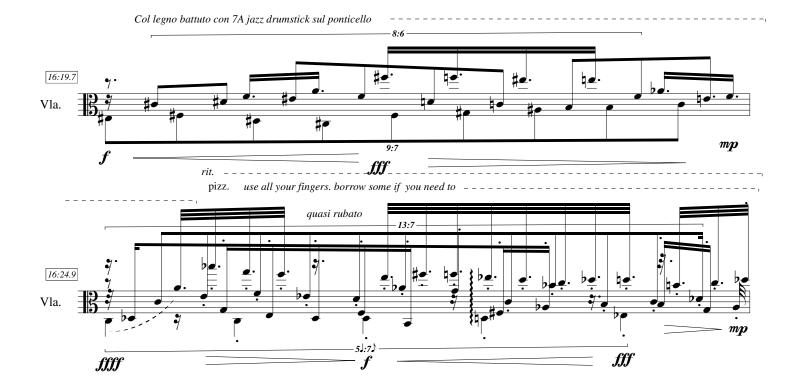


















ties are place holders, not necessary to hold, move after buzz finishes

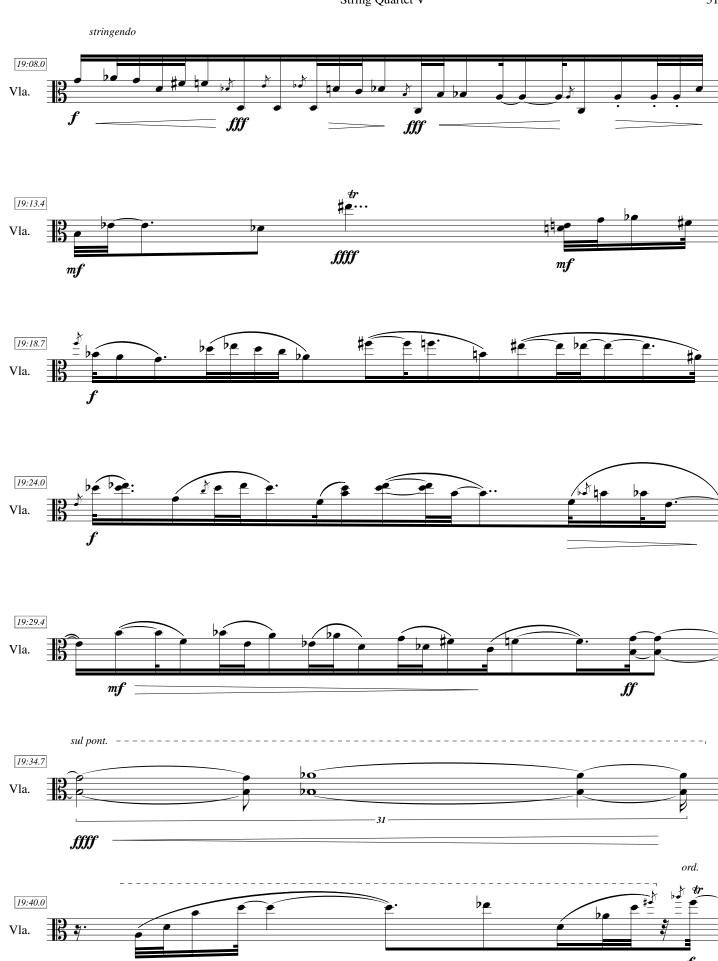


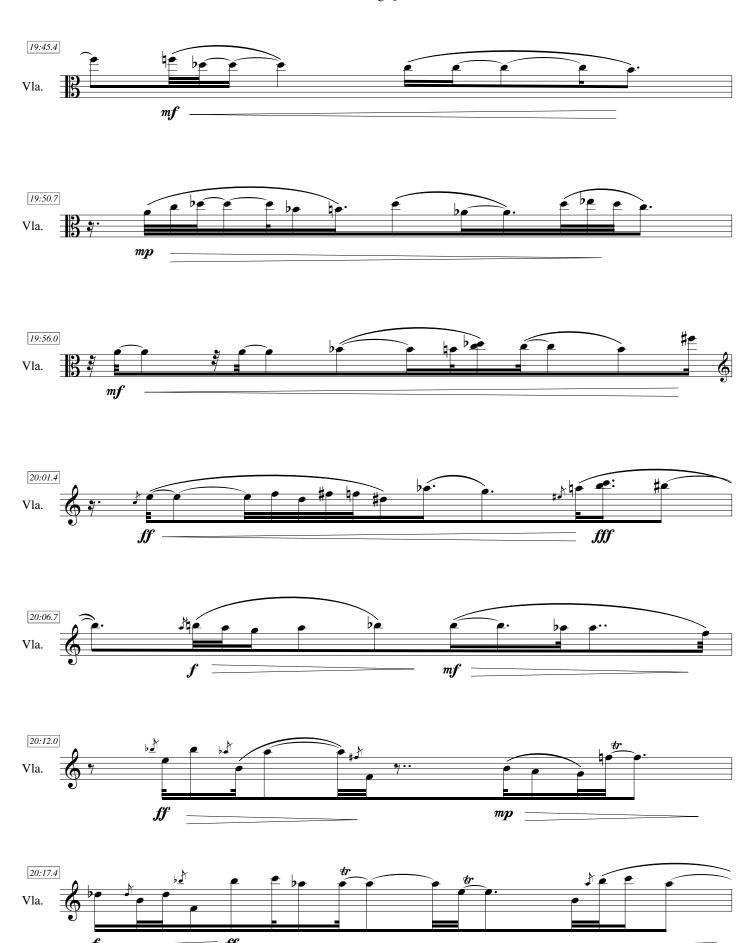


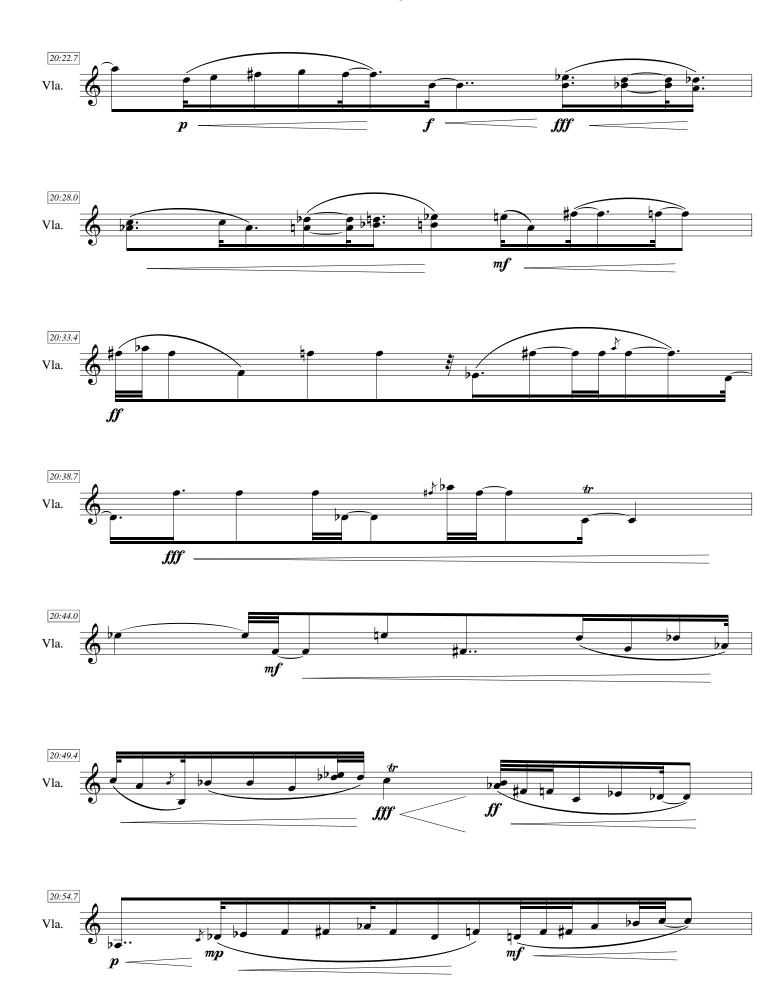












































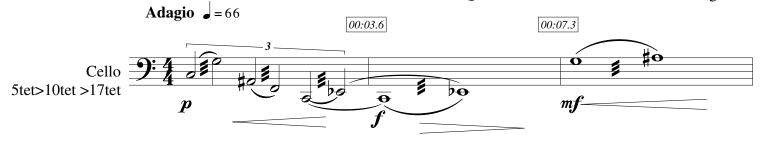


NO VIBRATO

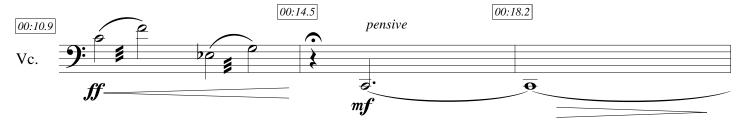
String Quartet V

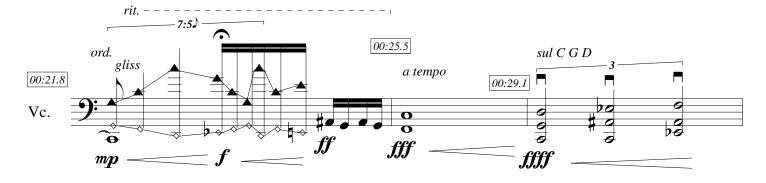
the Drum Stick Quartet

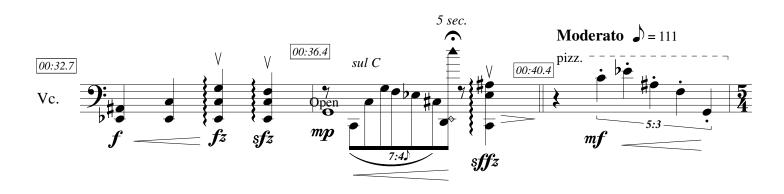
Peter Thoegersen

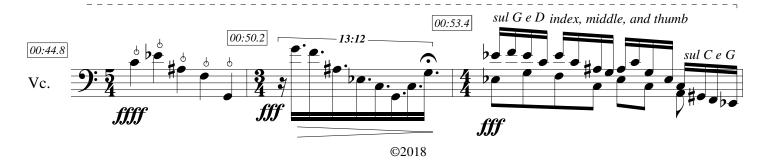




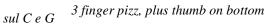


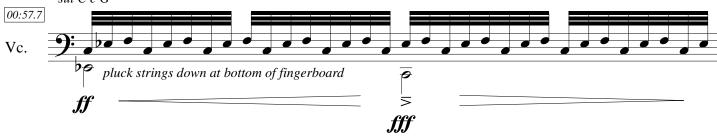


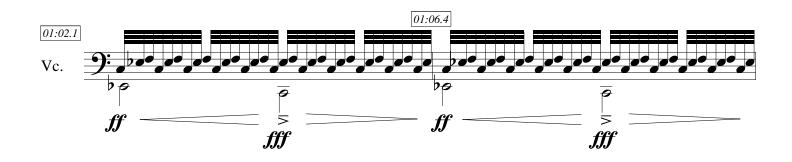


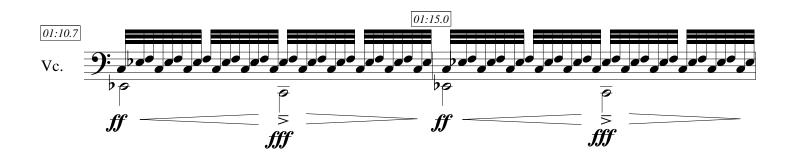


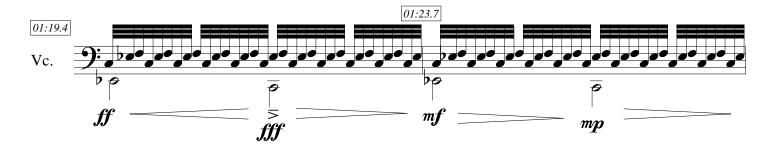


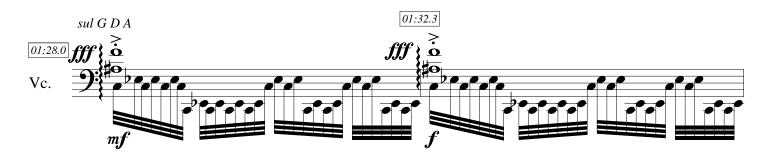


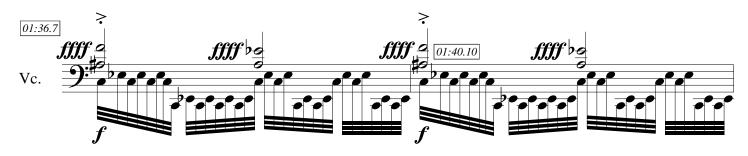


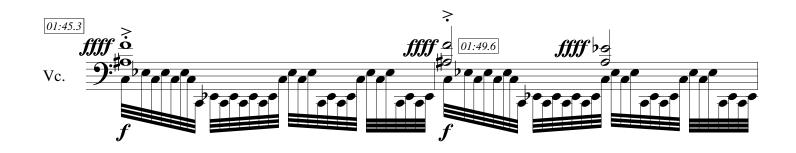


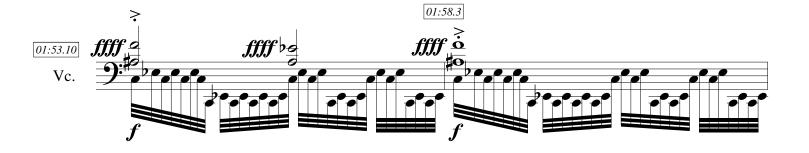


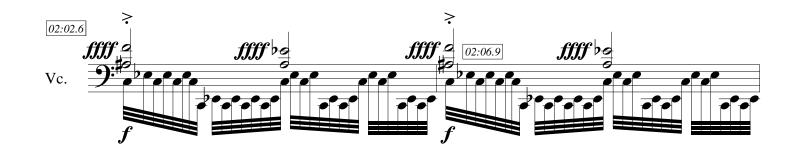


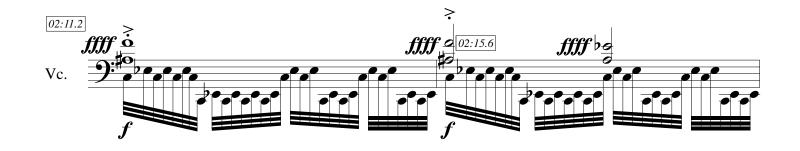


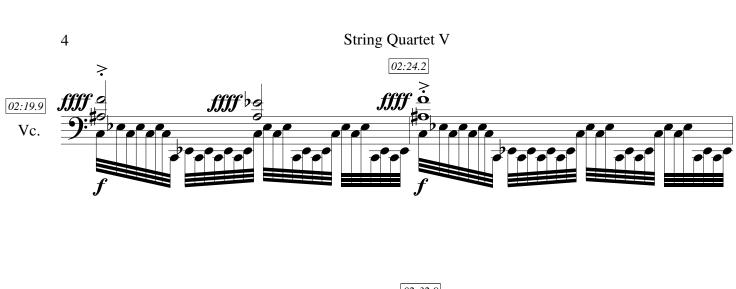


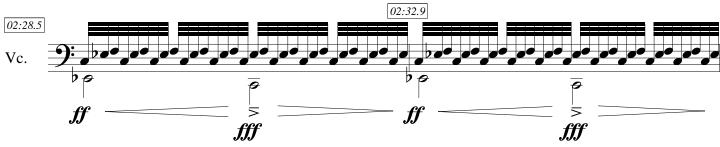




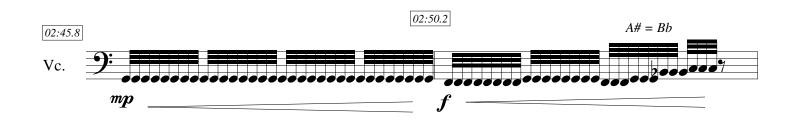






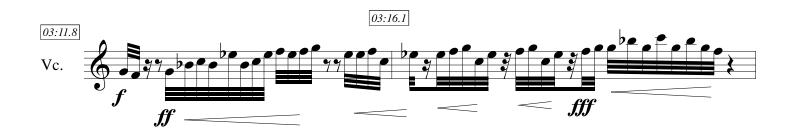


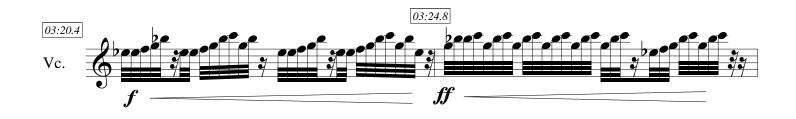










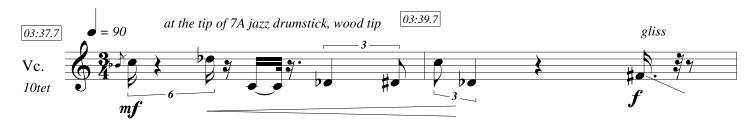




Andante

con drumstick battuto sul ponticello

no string damping: let cello ring like a bell

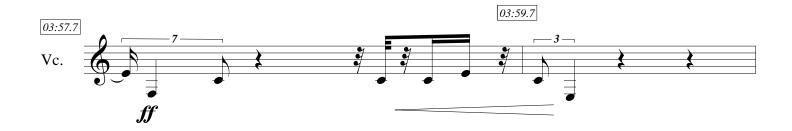


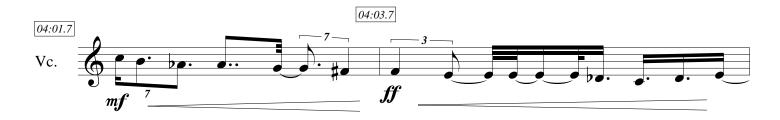






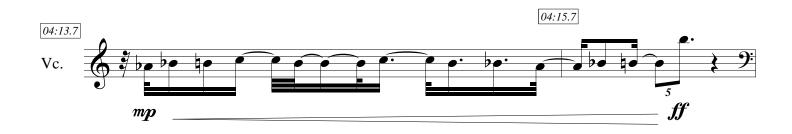








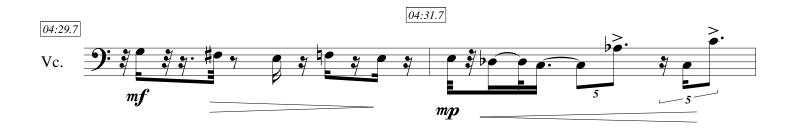


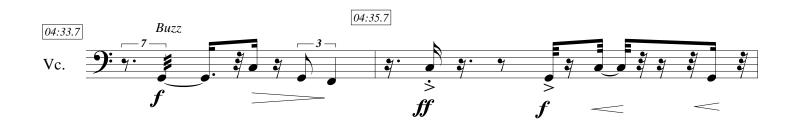




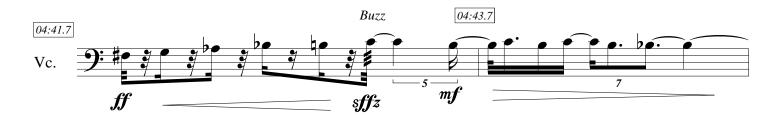




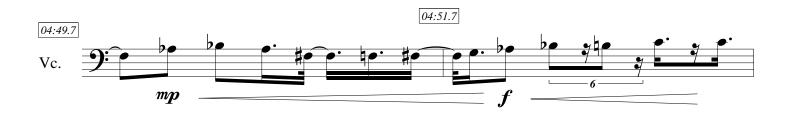










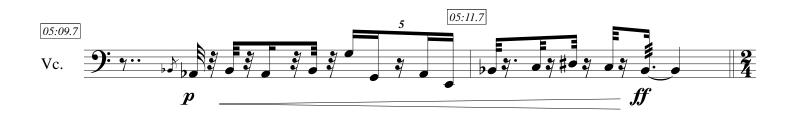






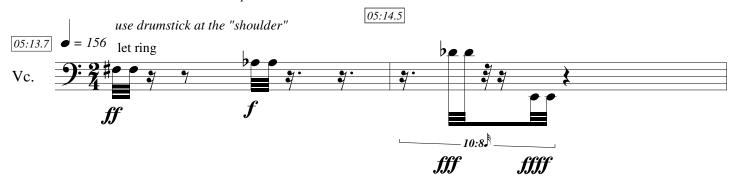


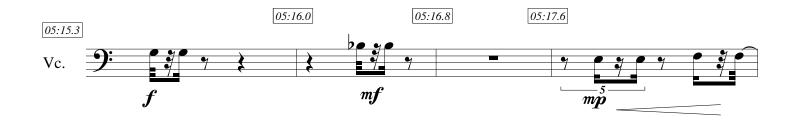




Vivace

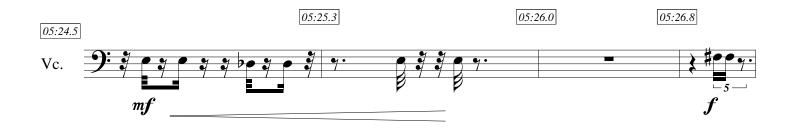
double bounce drumstick technique

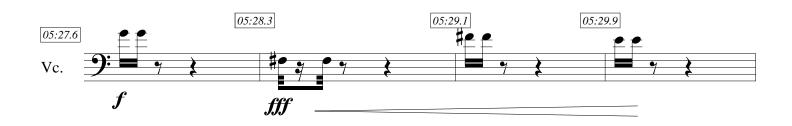


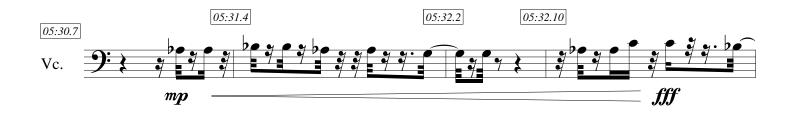


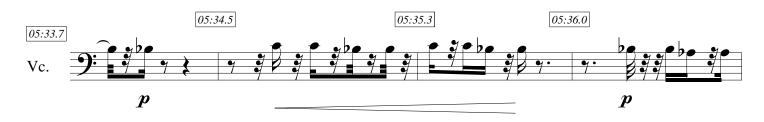












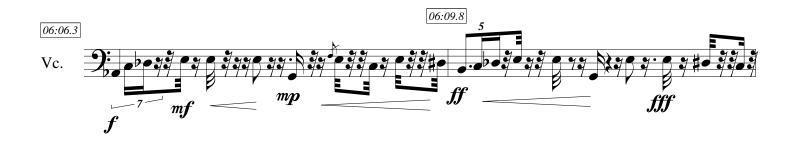
















use straight part of stick, under shoulder, to strike C and G strings















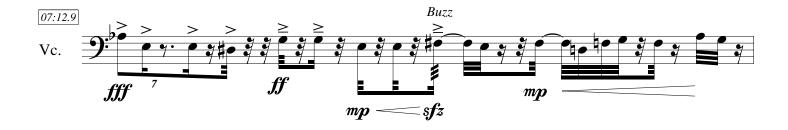




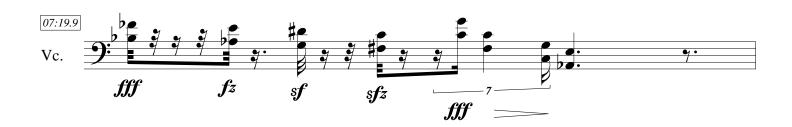




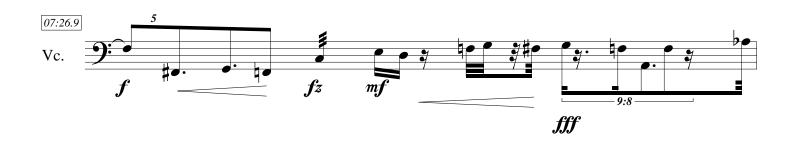


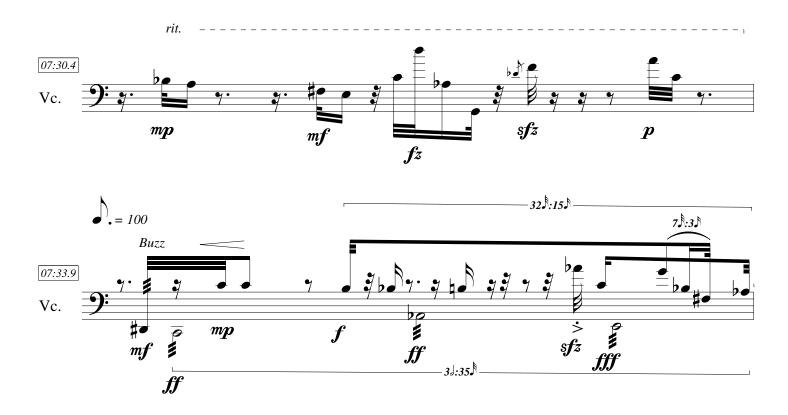




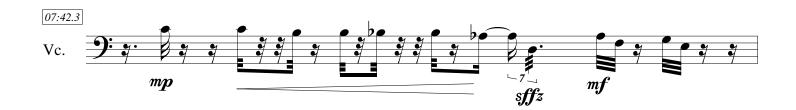






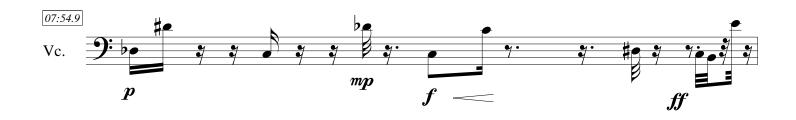


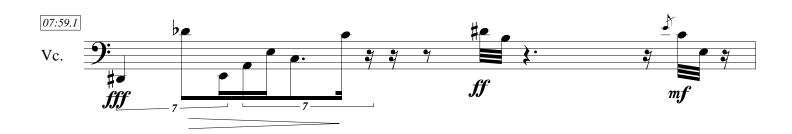








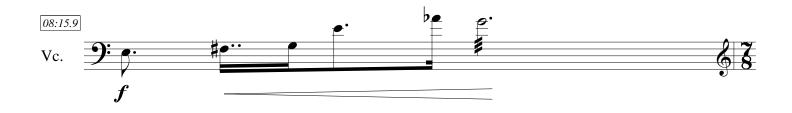






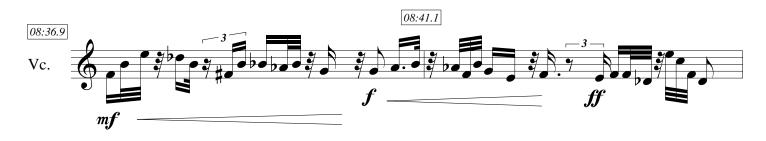


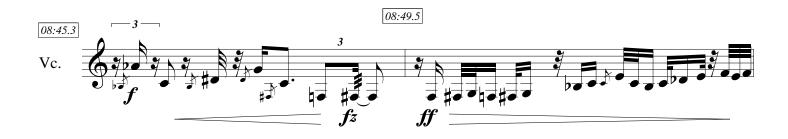


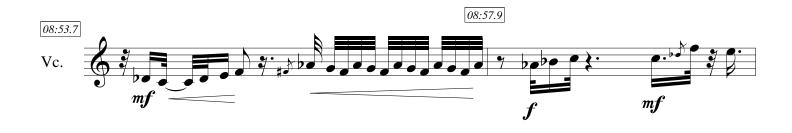
















use fingernail of index finger L.H. for grace notes to alternate with stick









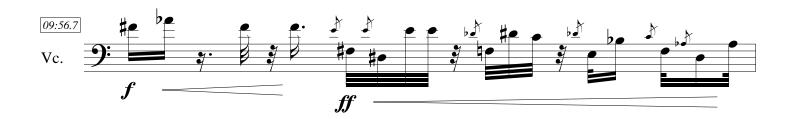


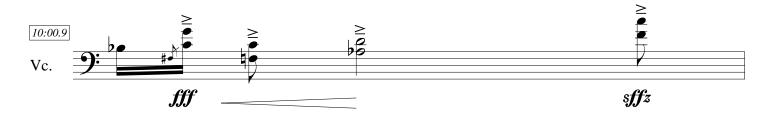


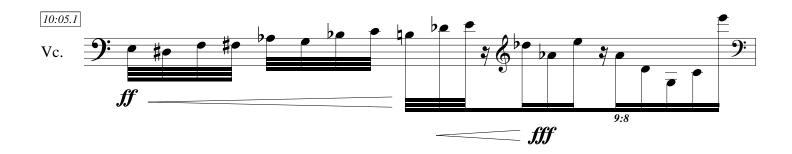














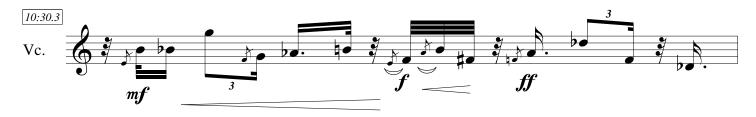






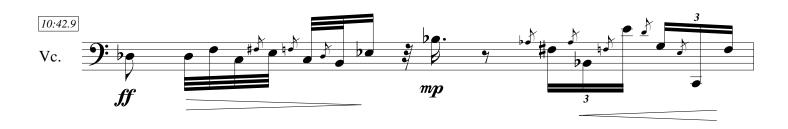


partial buzz-flam use finger nail in left hand



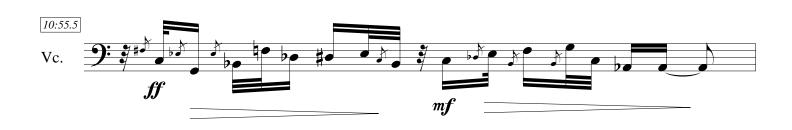




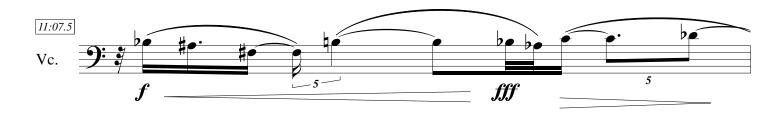




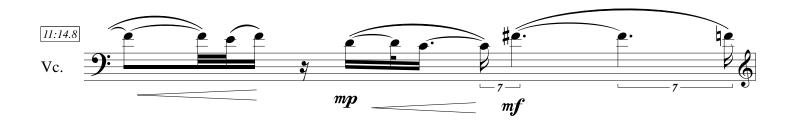








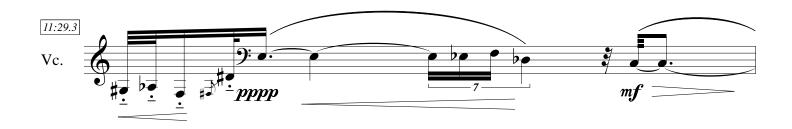


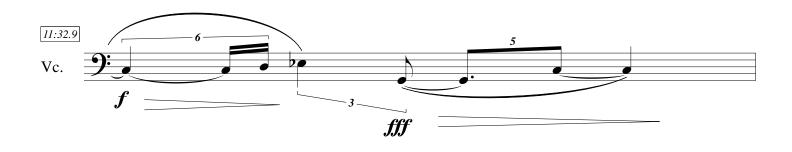




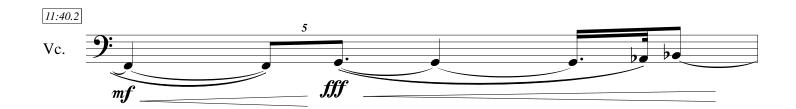






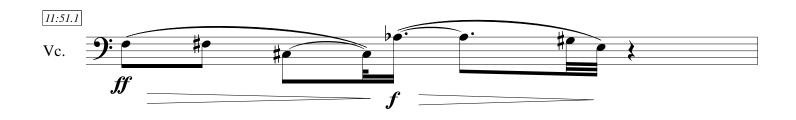










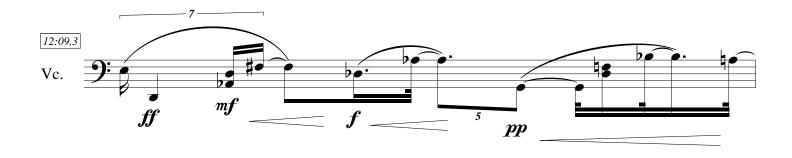




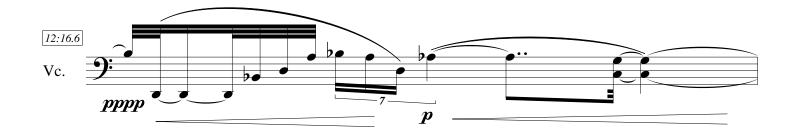


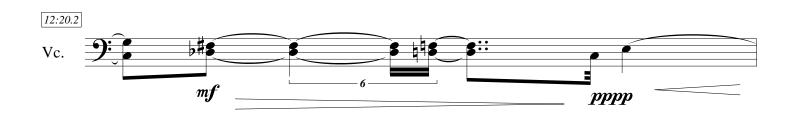






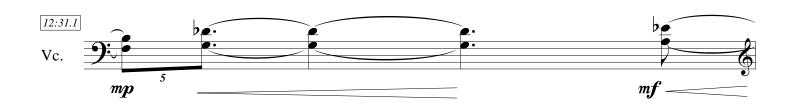








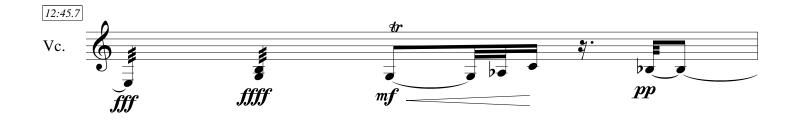












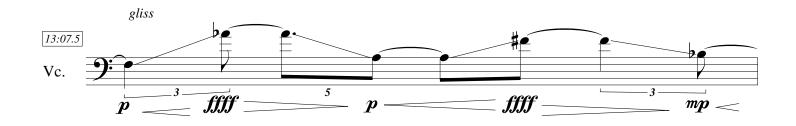


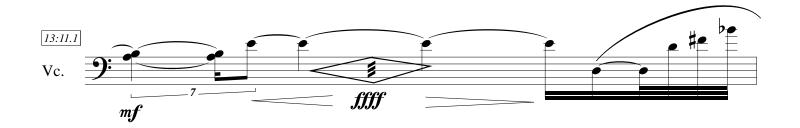


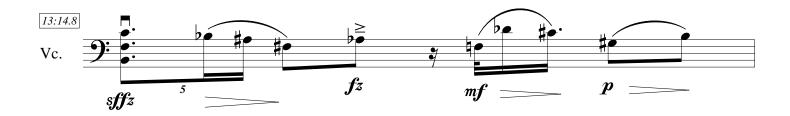












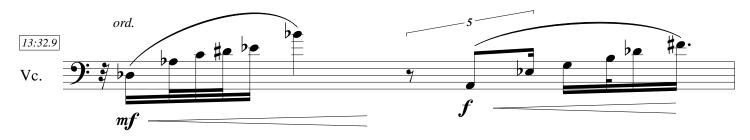
sul tasto al punte d'arco

























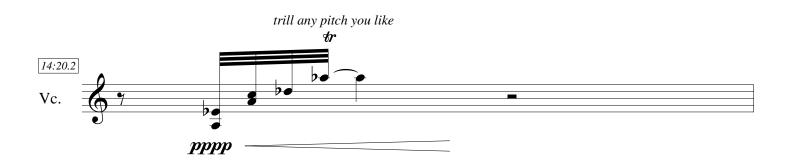














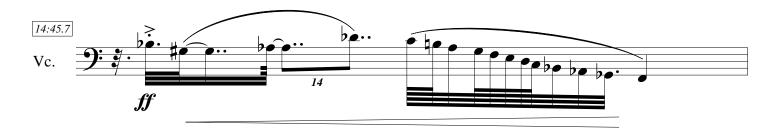


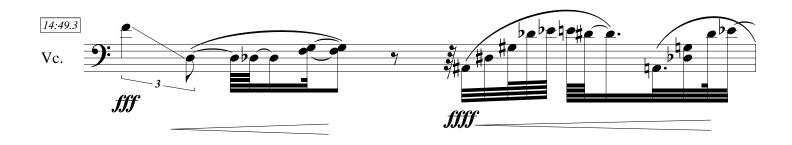




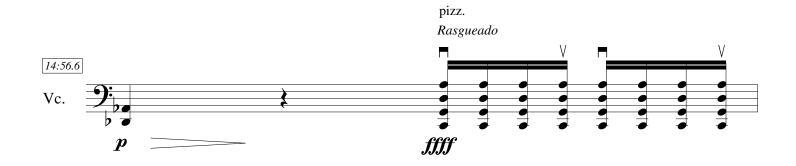




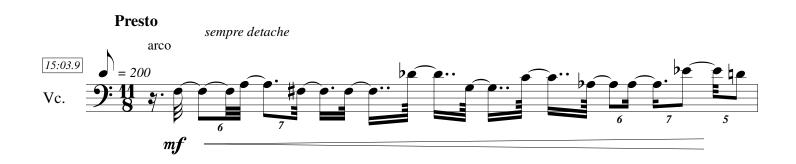
























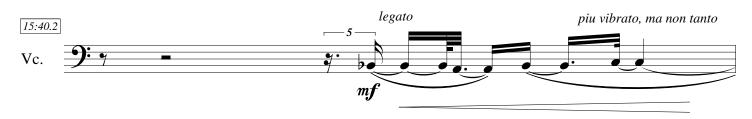








meno mosso ma non troppo

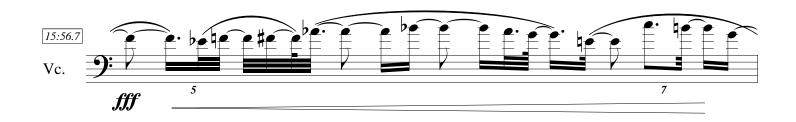


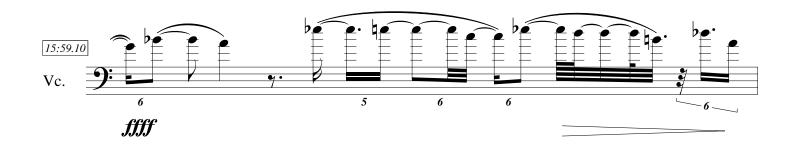










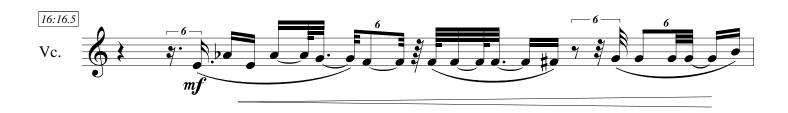








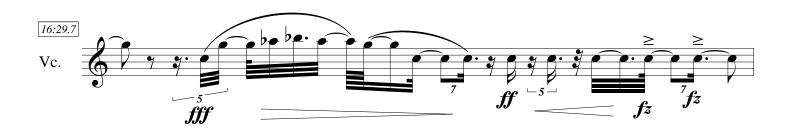










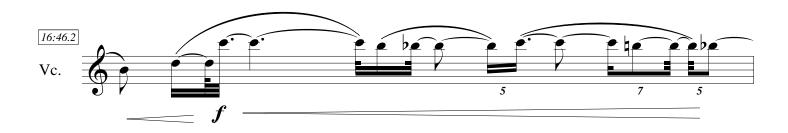




















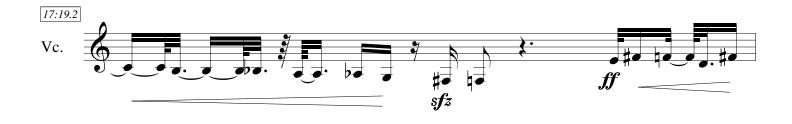
















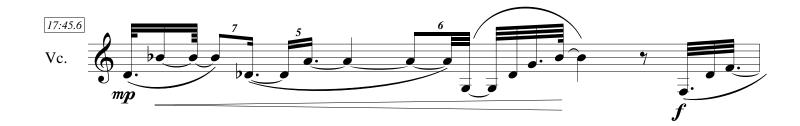






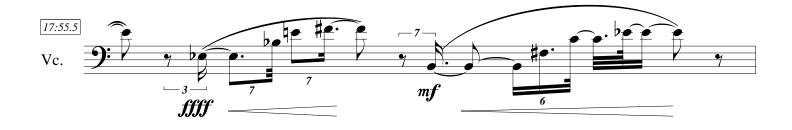


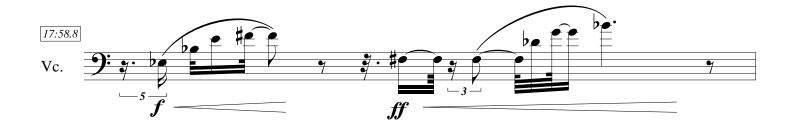


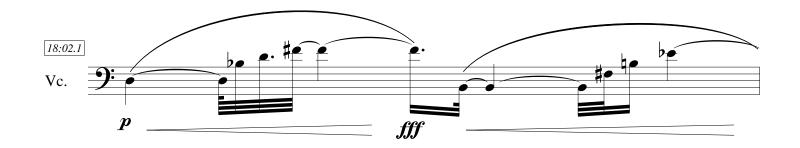














pizz.





















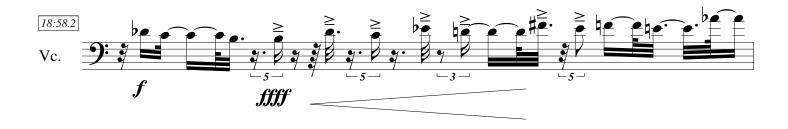














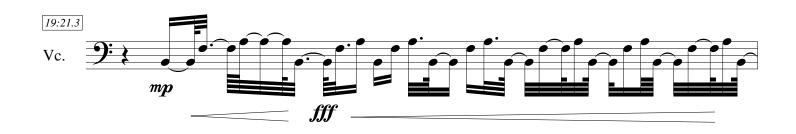






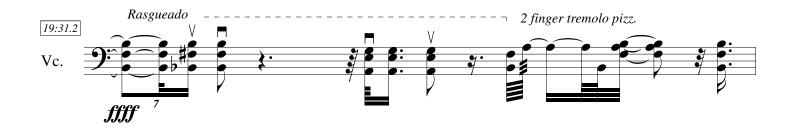


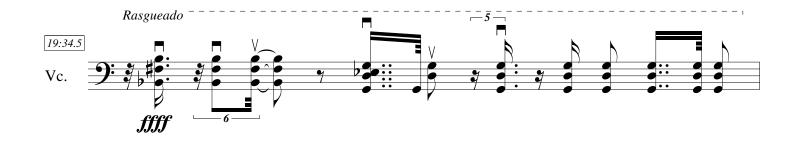
































slap the shit out of fingerboard

